

Russel Clark
at ~~Harvard~~ at the old baptist
meeting house in hartford

V.1



GIFT OF

Dr. Russel Clark Paris

Margret Clark.

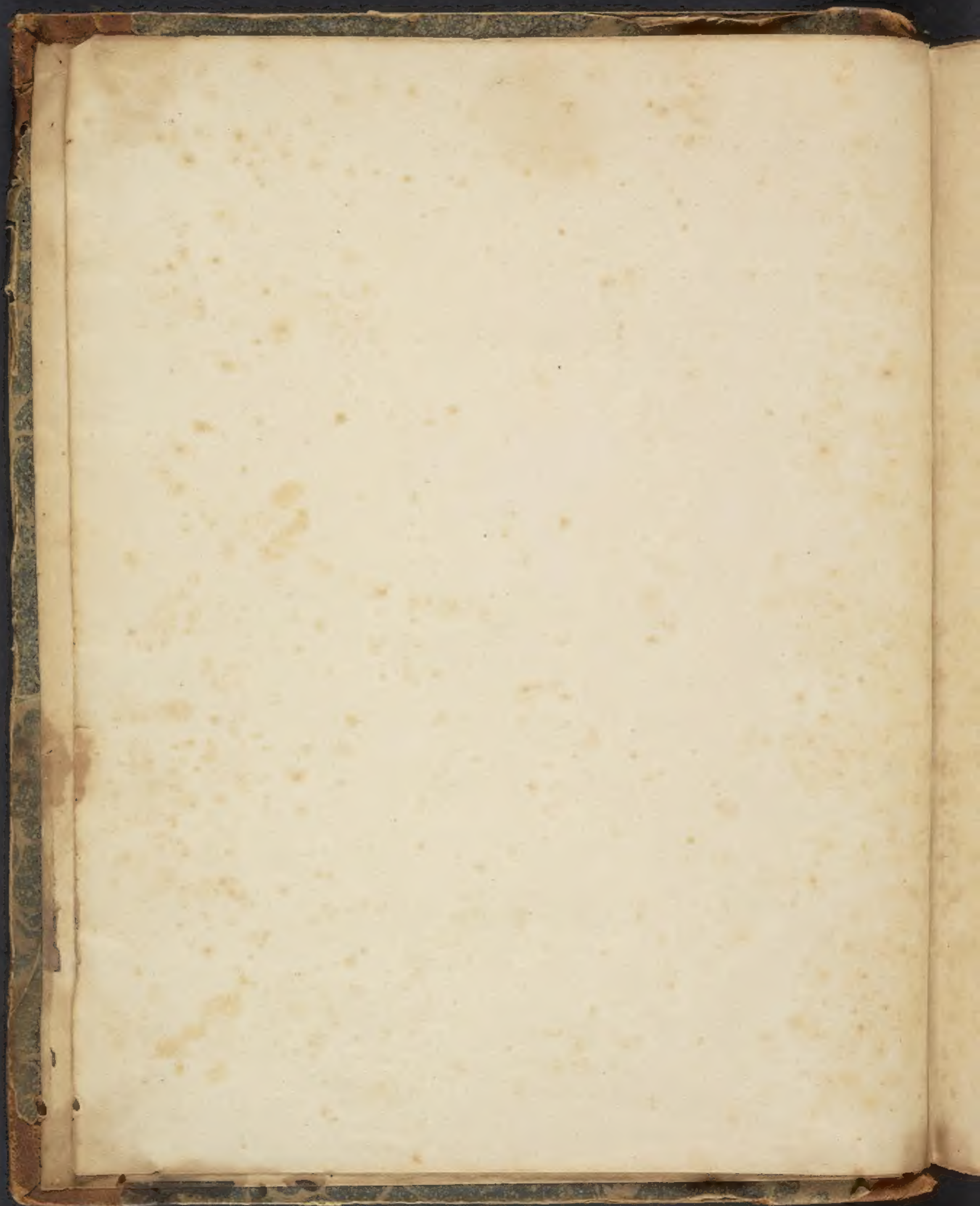
Taken at Philadelphia in the year 1808. & 1809

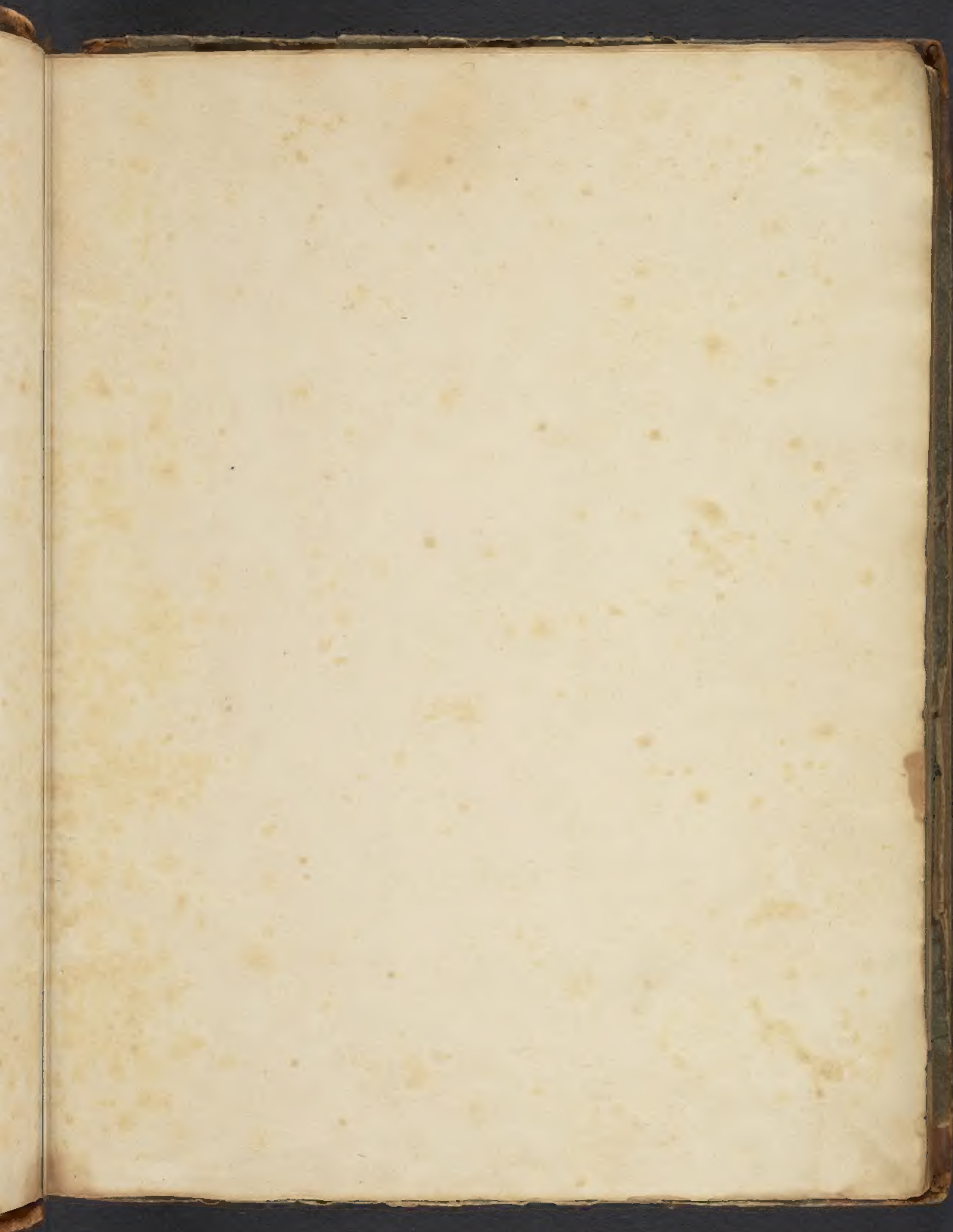
N^o 33^d

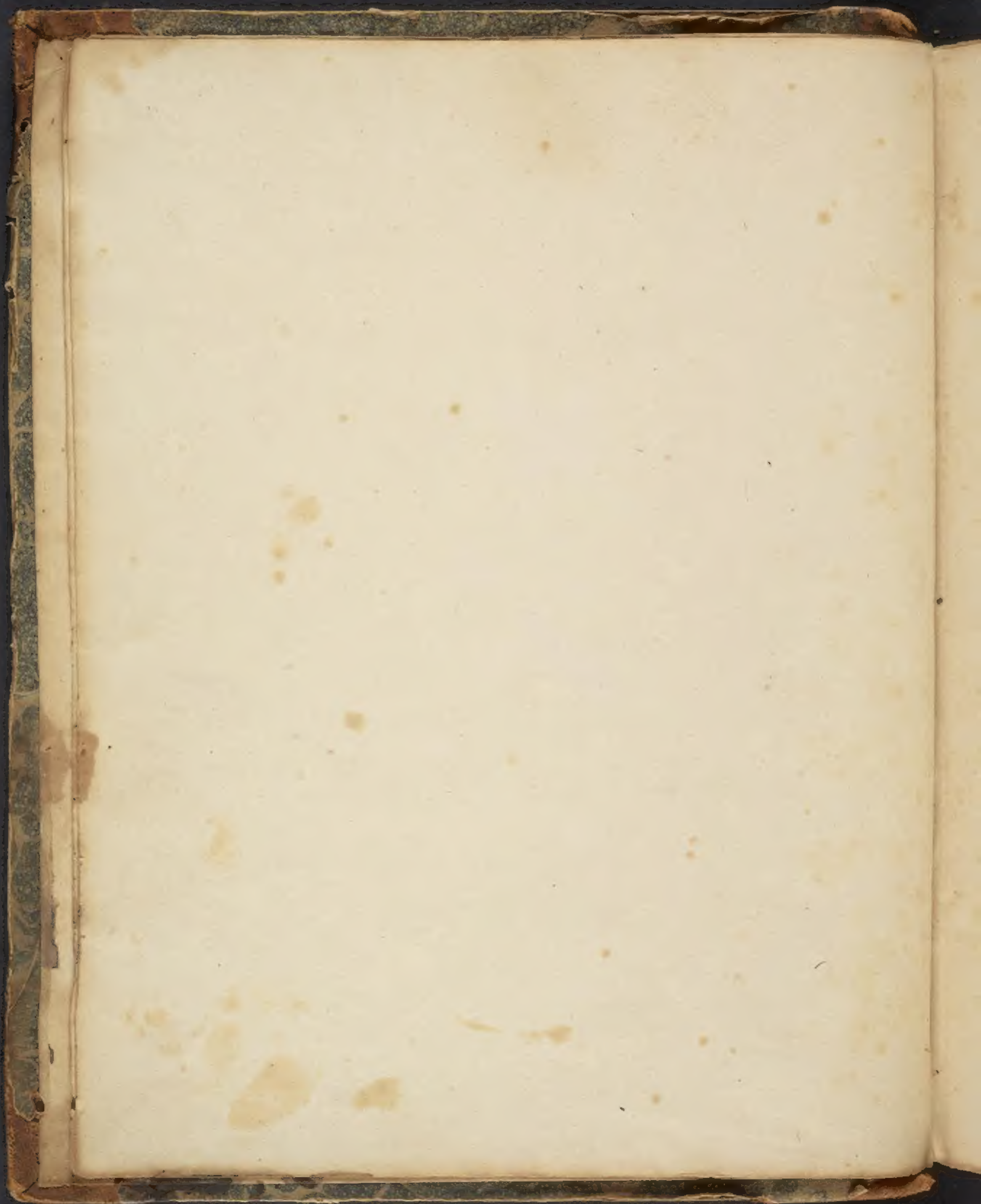
Ms. Coll. 271

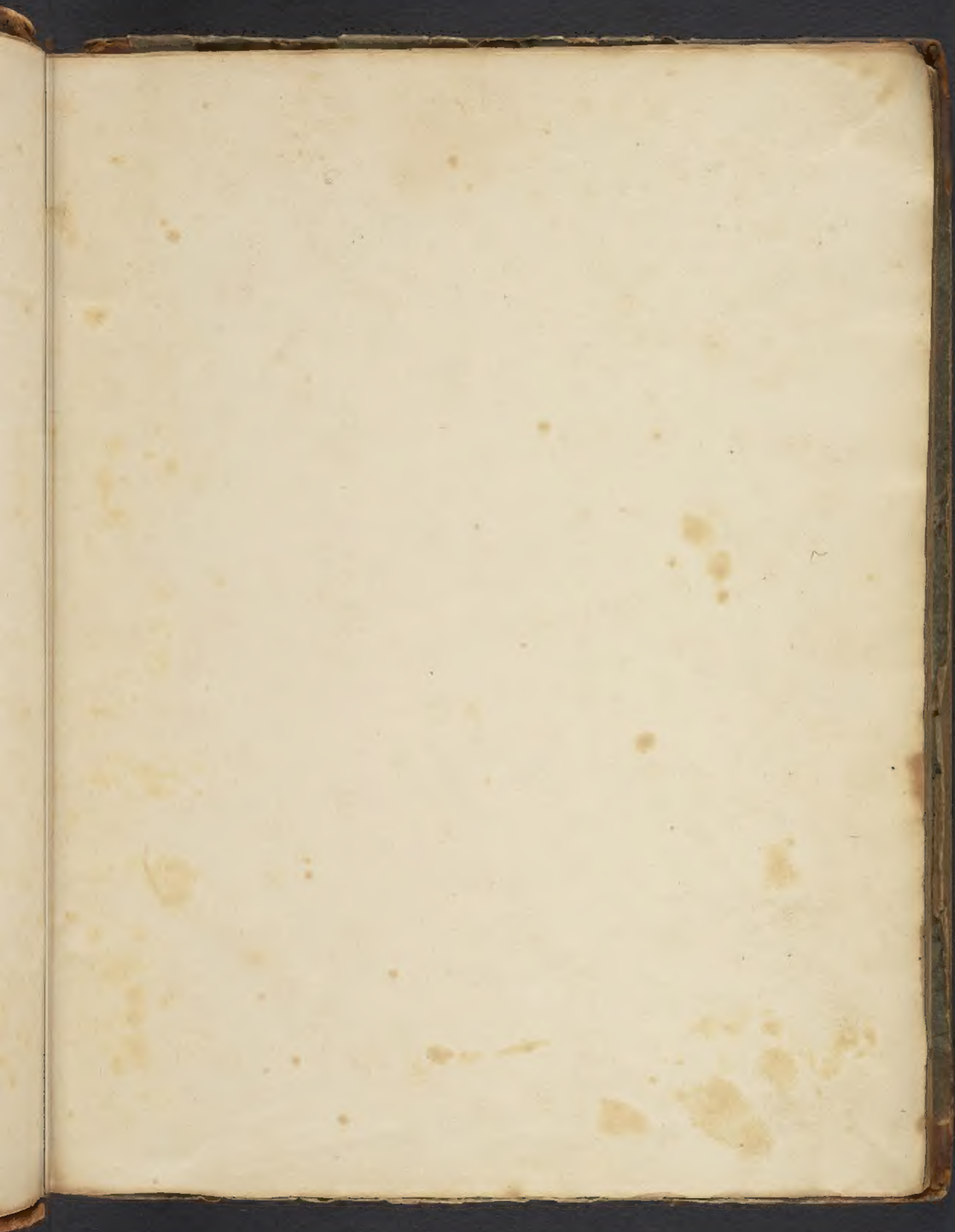
Item 1

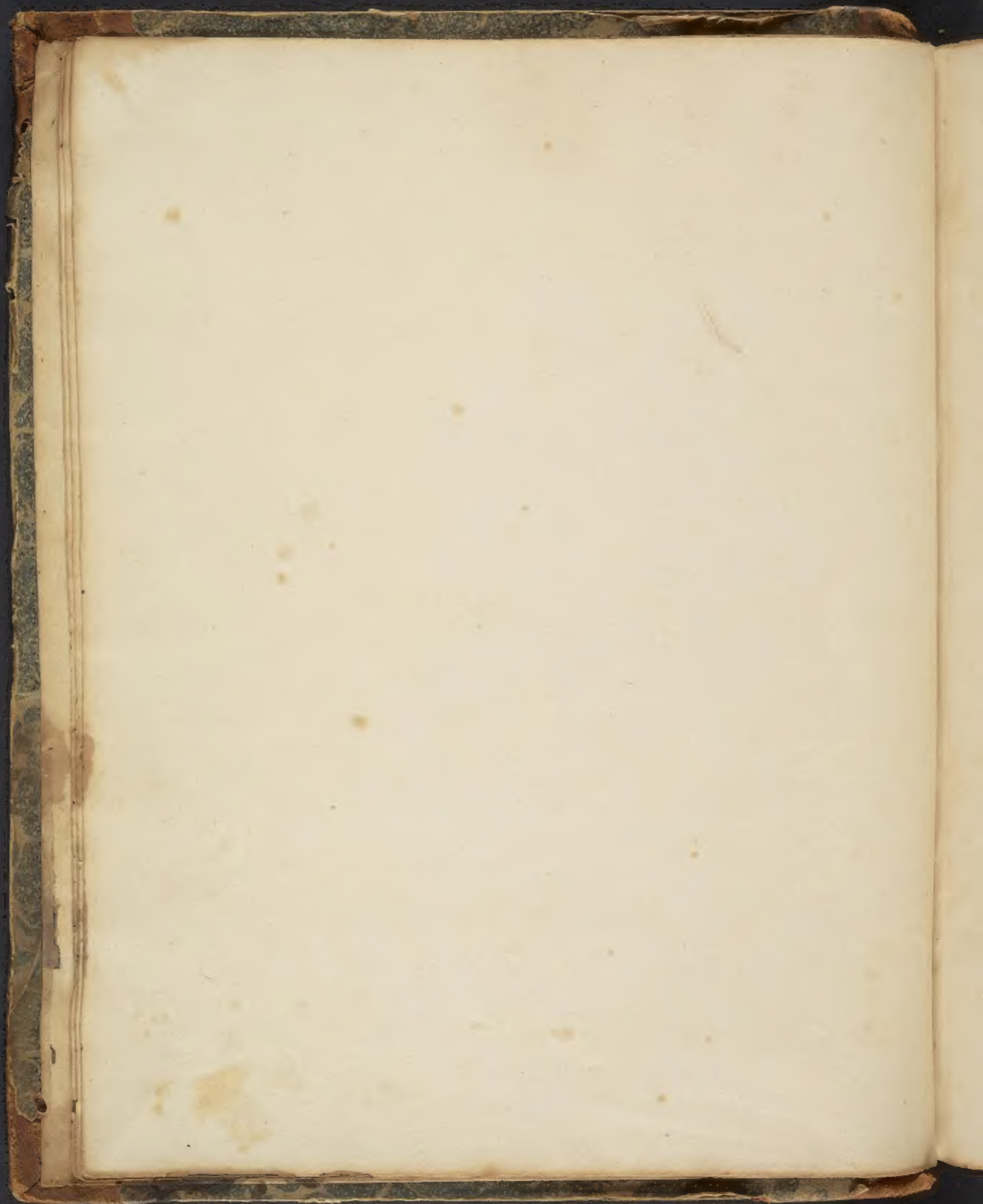
Vol. 1

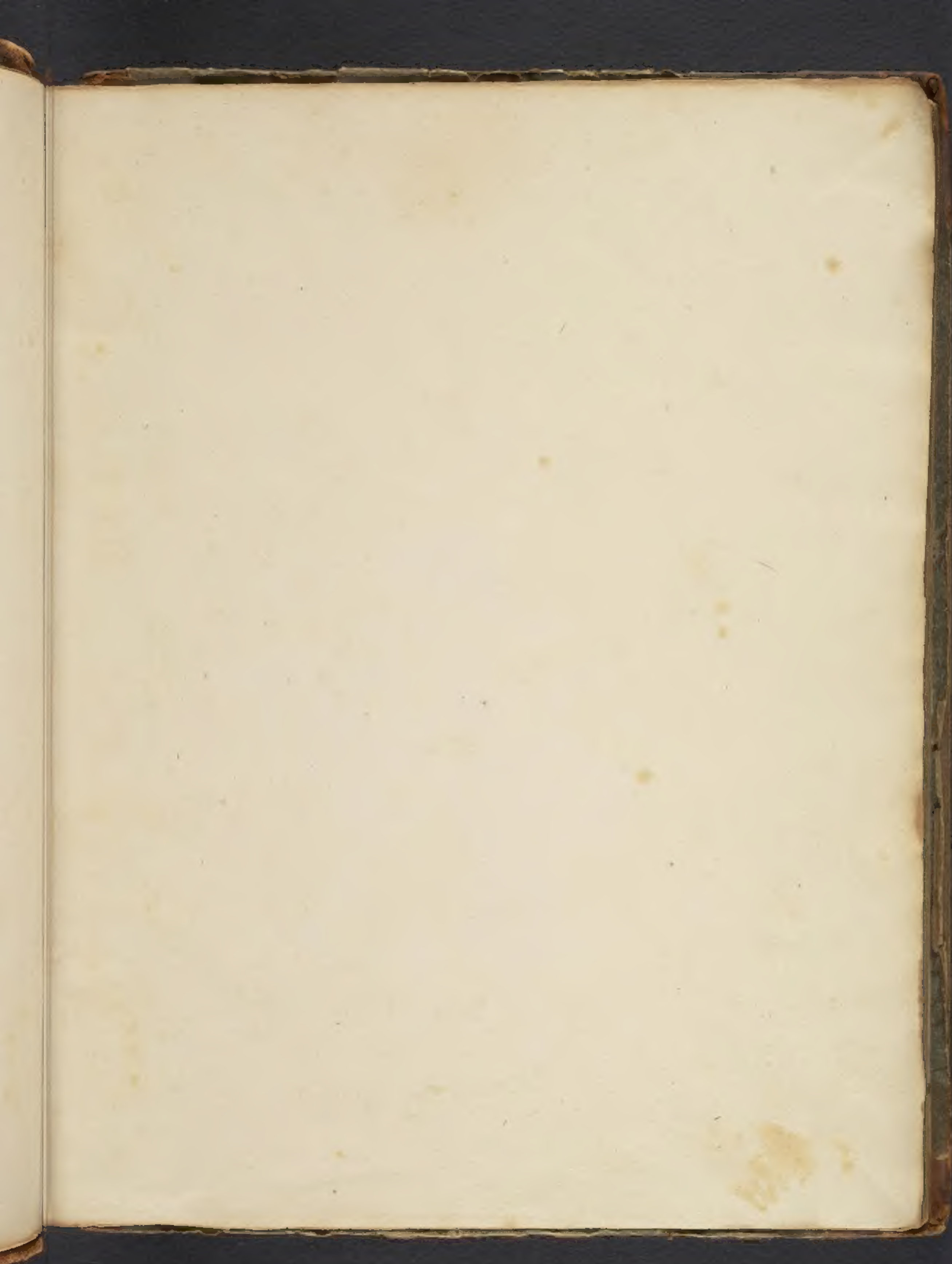


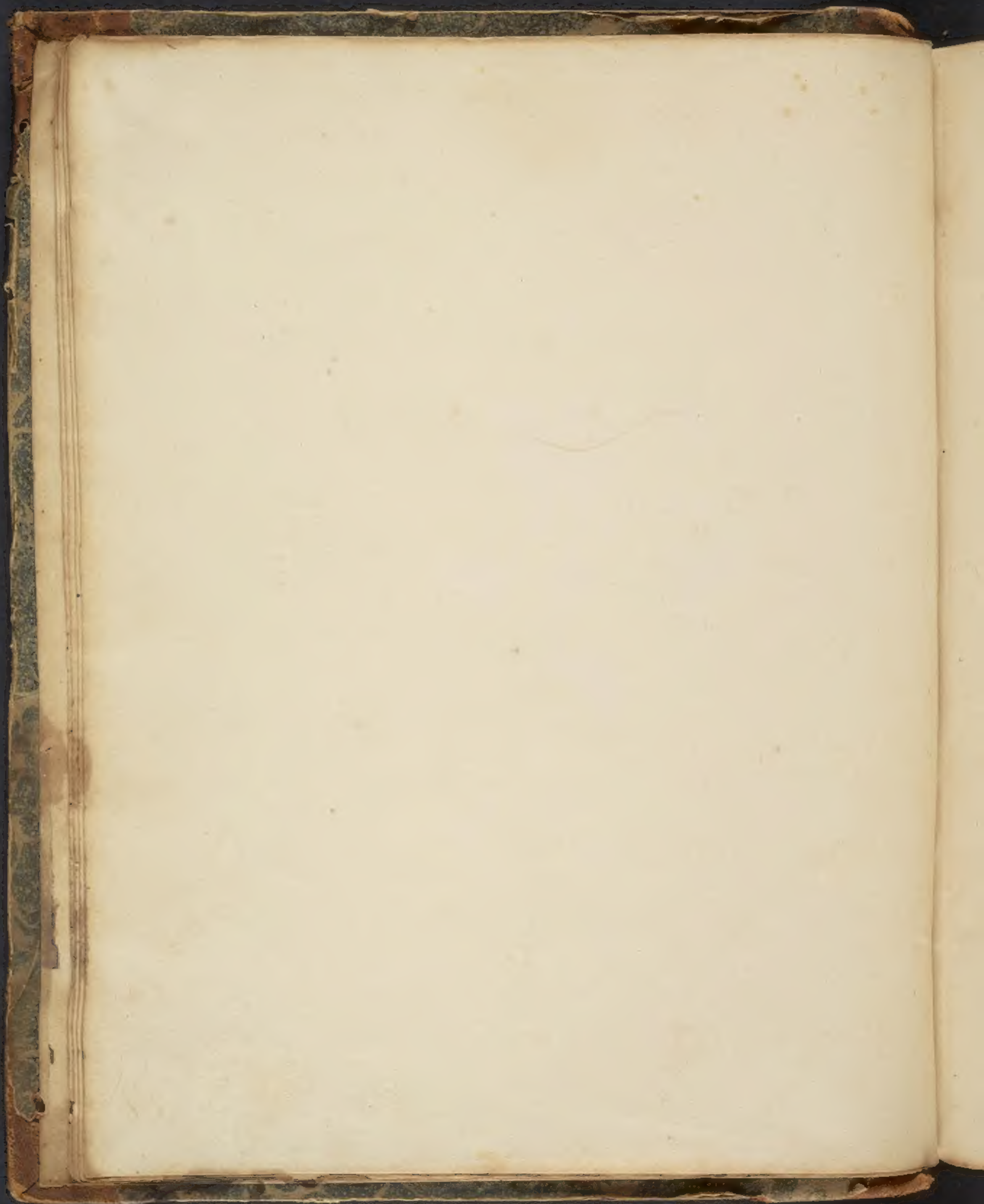
















Page 1.

Lecture 1.

Inflammation

There is but too much reason
to believe for the surgeon to understand
the principles of inflammation; but
as there is a certain degree of it which
may be destructive, and that it
may be cured, the surgeon is obliged to
know the difference between the two
states of inflammation: of course the force of
the inflammation is, in all cases, a
matter of degree, and the surgeon
must be able to judge of the
degree of inflammation, and to
know when it is necessary to
interfere, and when it is not.
The surgeon must also be able
to judge of the degree of
inflammation, and to know
when it is necessary to
interfere, and when it is not.

11 C10 4
P:69

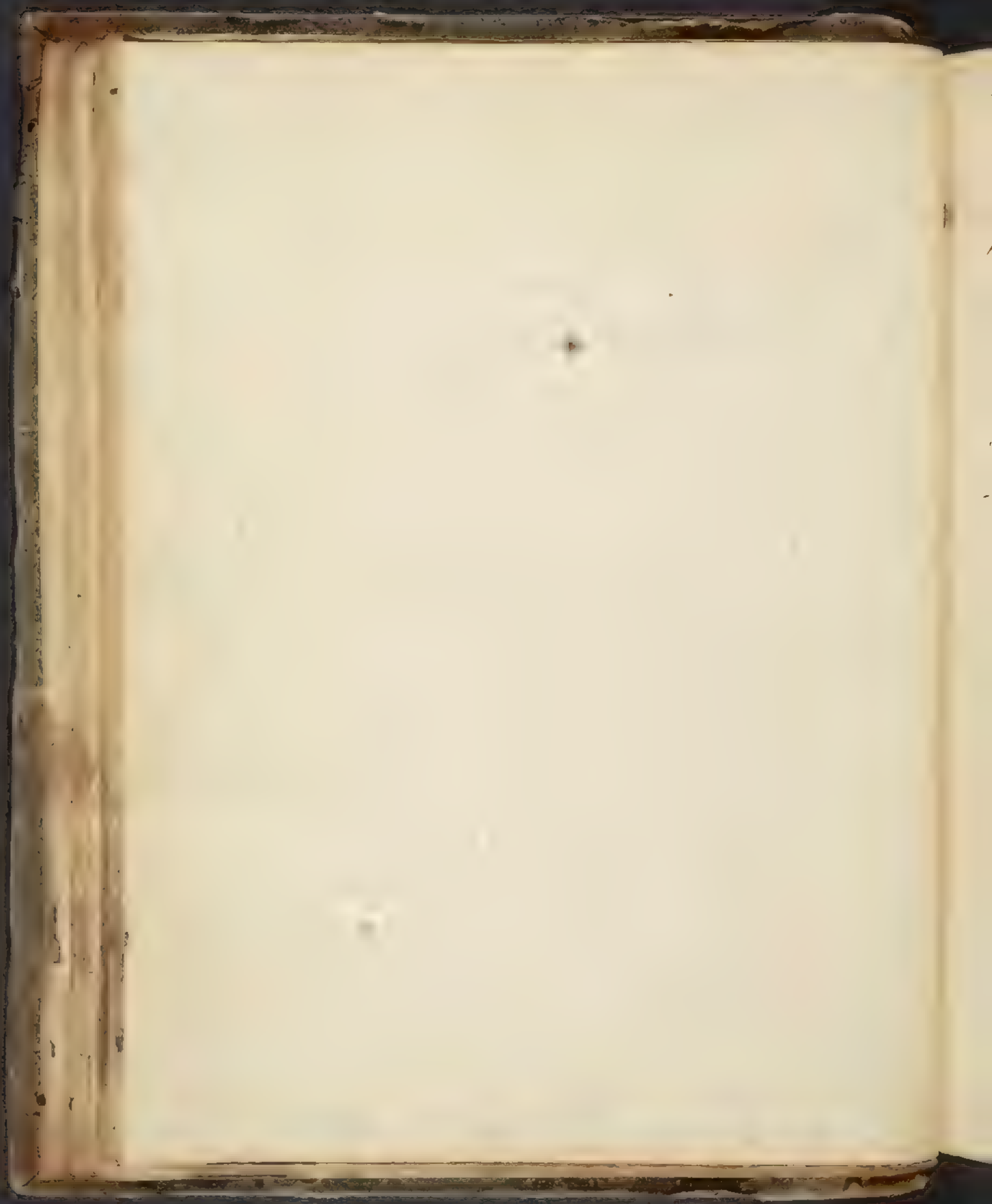
...instance of the former use of the word
...the result of a process of the
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense

...the word is used in a sense
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense

...the word is used in a sense
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense

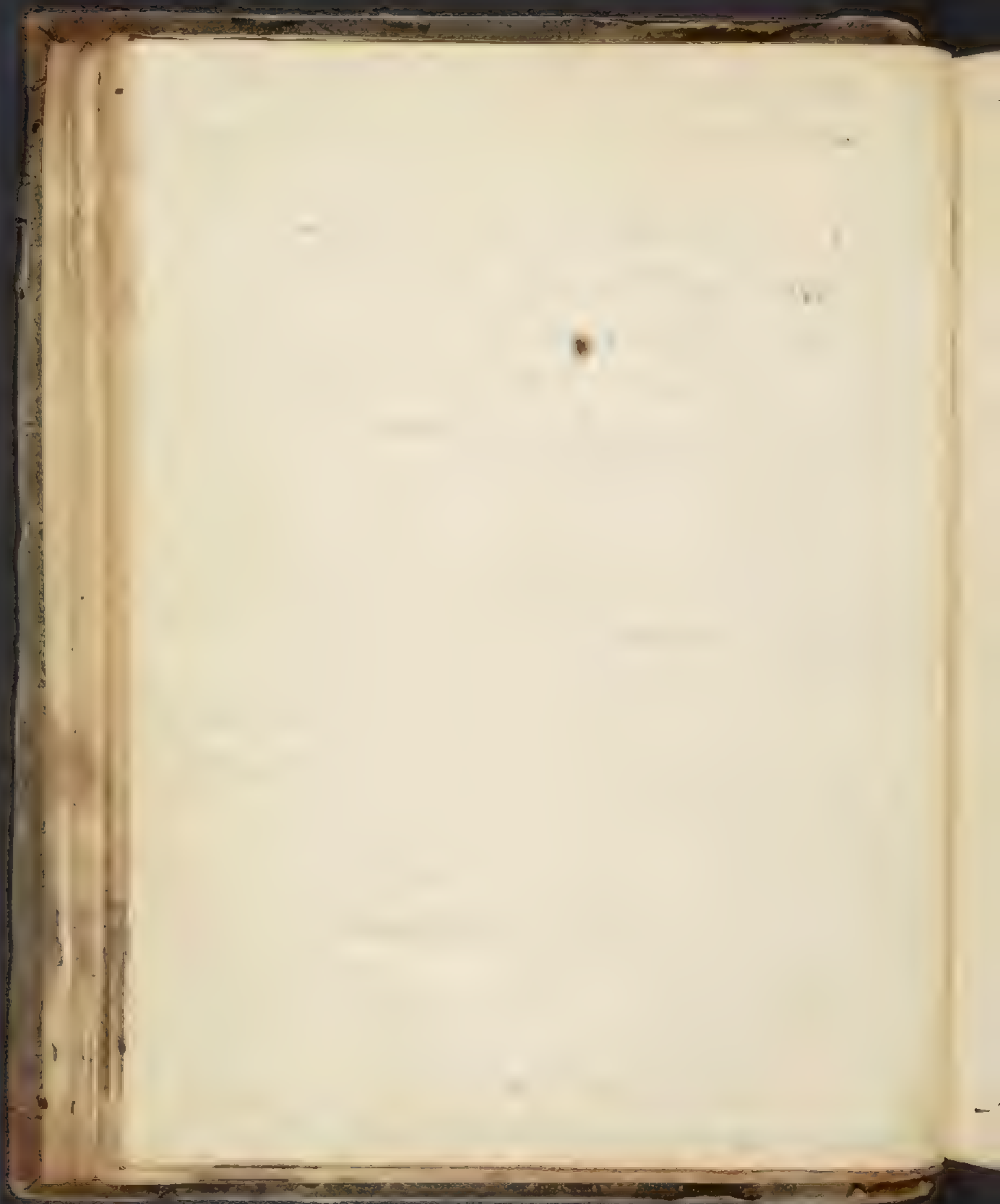
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense
...the word is used in a sense



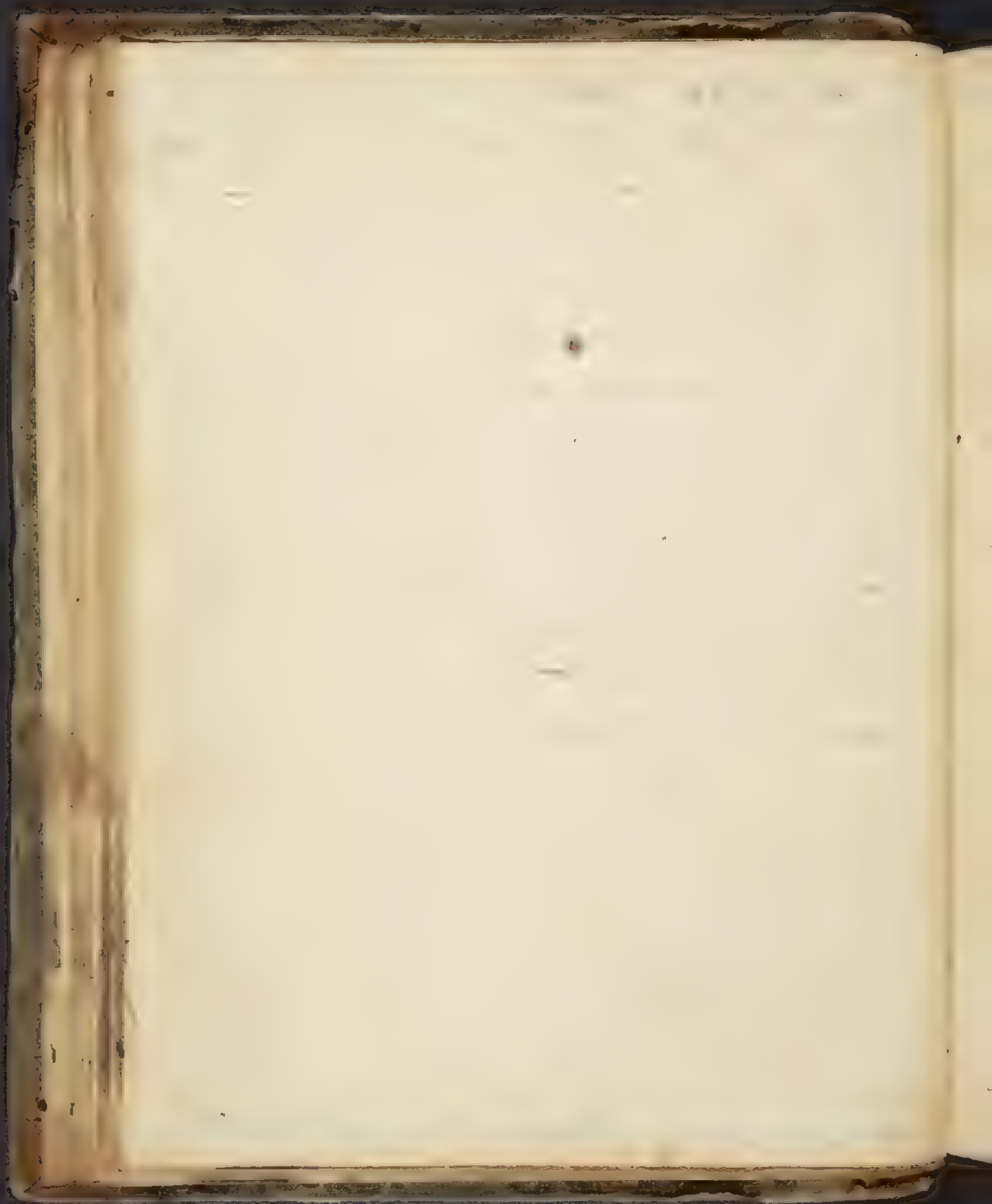


7/11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31

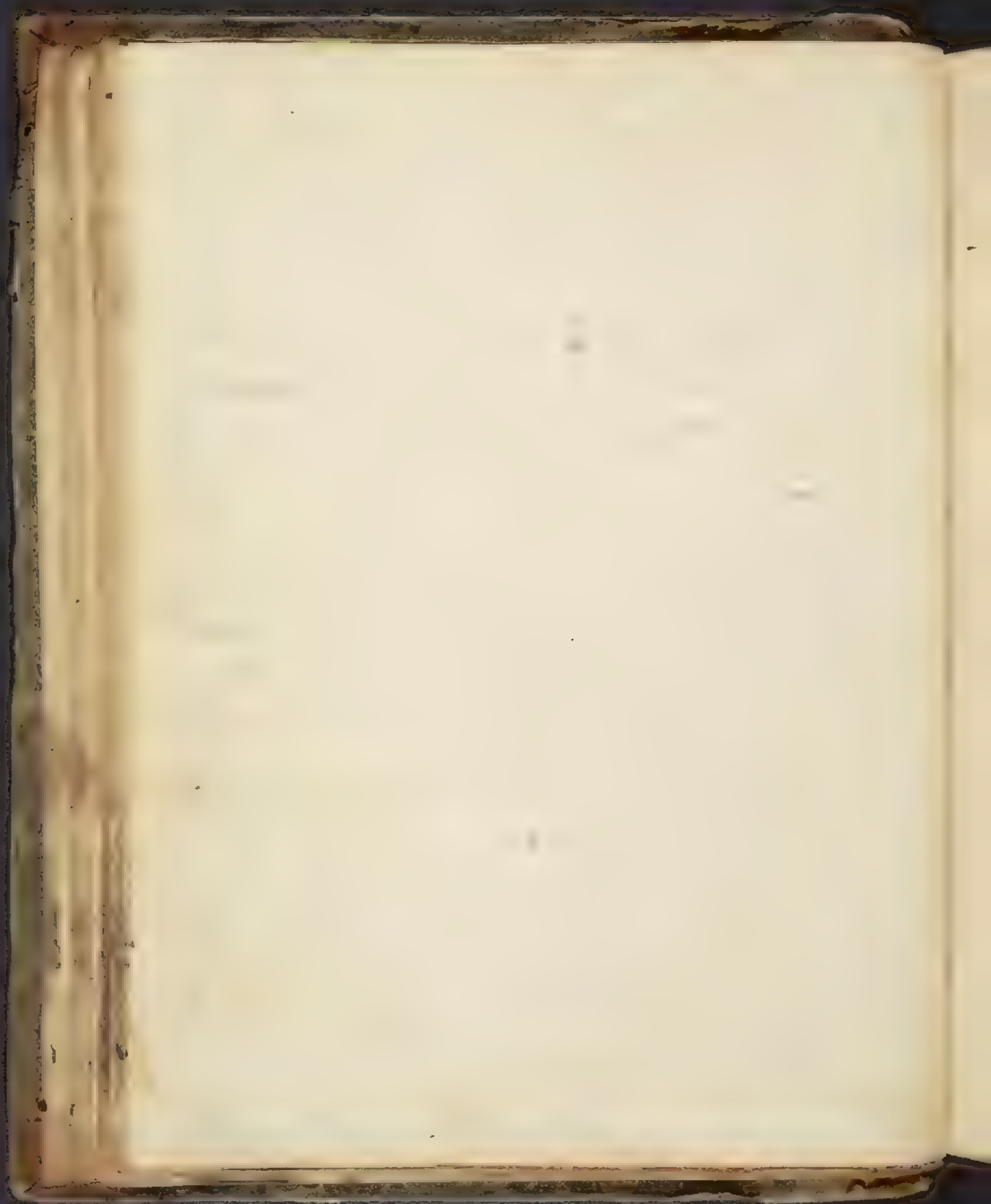
As the reading matter is an increase
in the rate of the rate.

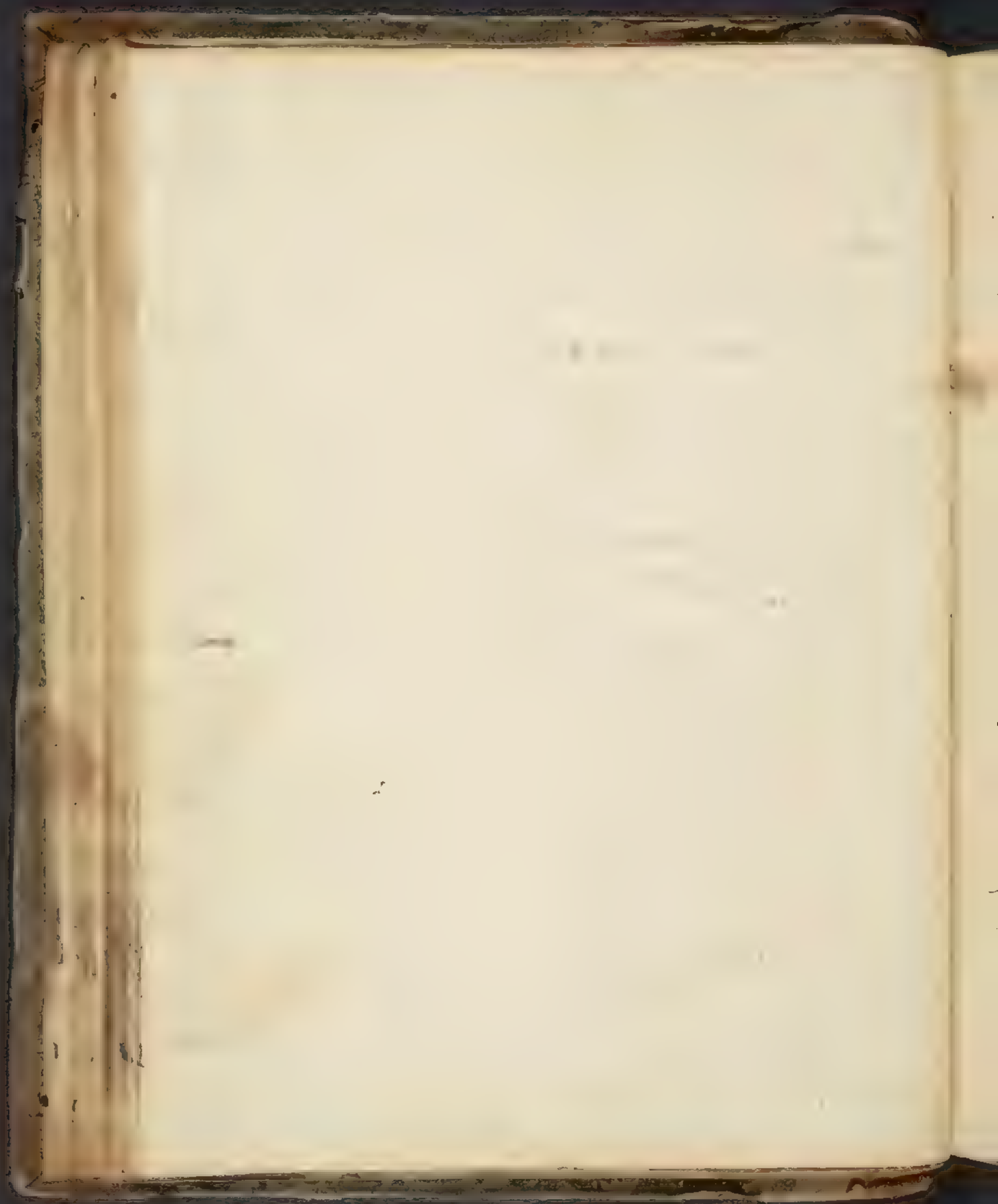


[illegible]

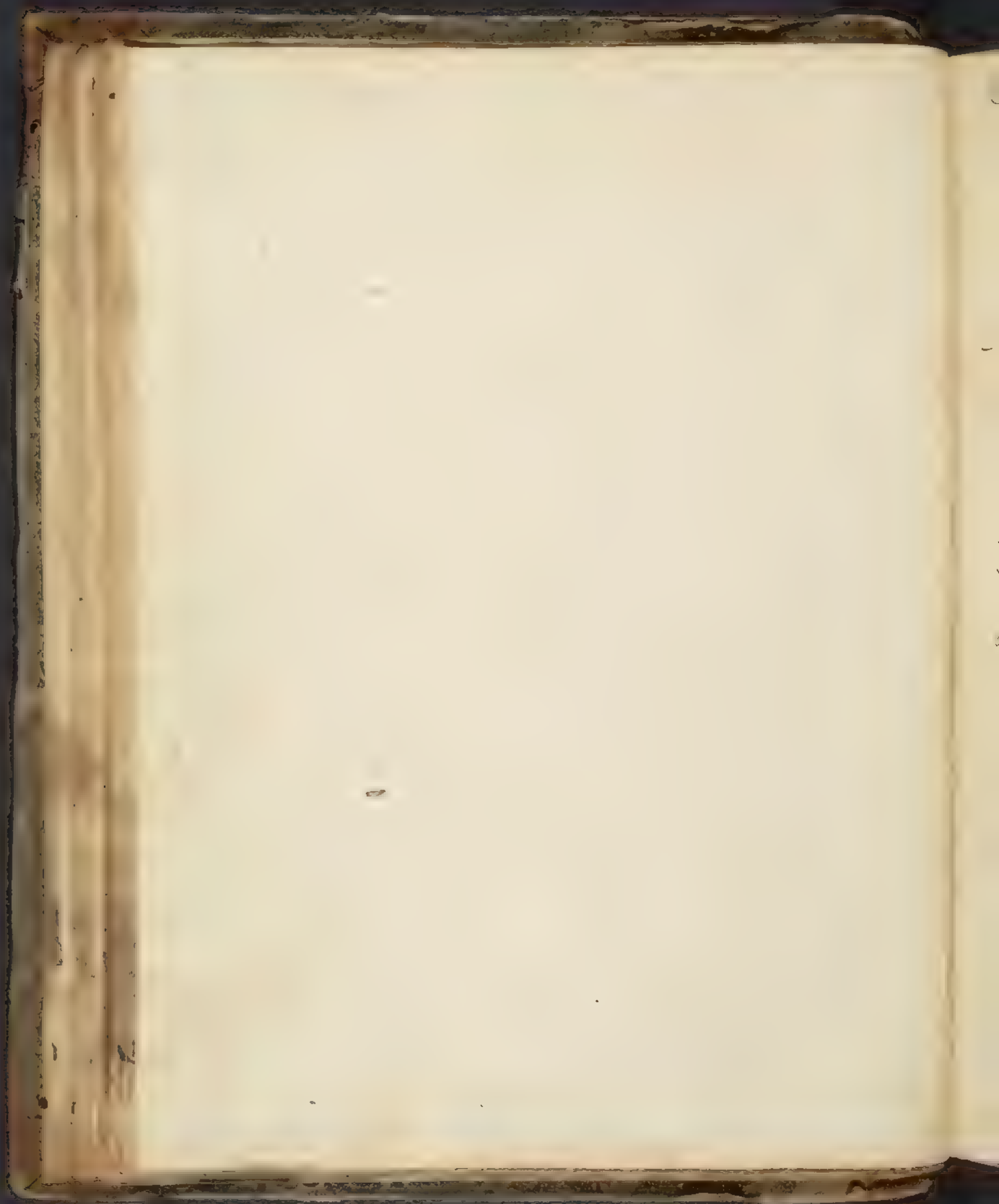


[illegible]



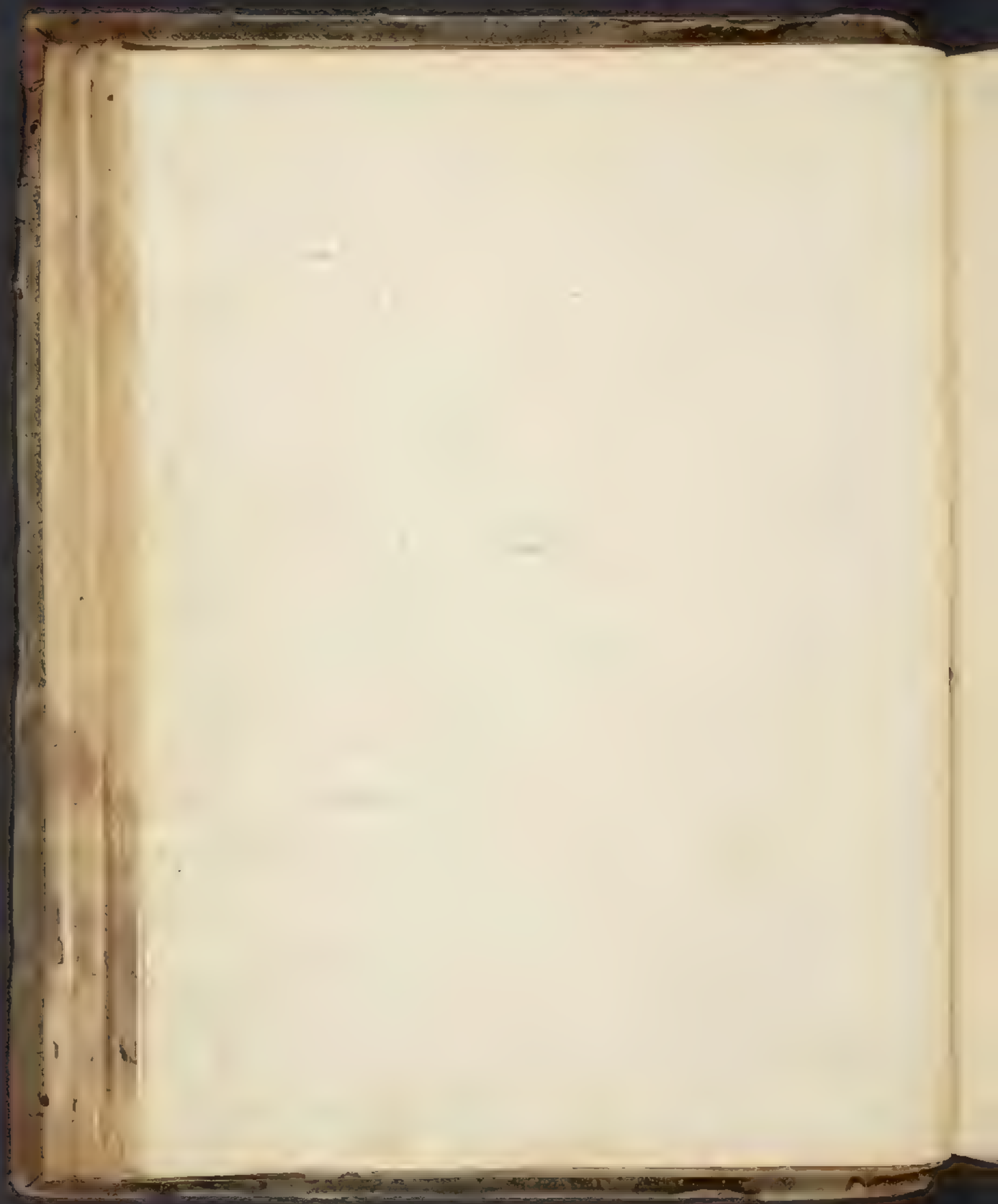


[illegible]



It is not the case that the
local index is the only one
which is of importance in
the study of the disease. A considerable
distance from the eye is the most
likely to be the cause of the disease.
The disease is the result of the
local index and the local index is the
only one which is of importance in
the study of the disease. A considerable
distance from the eye is the most
likely to be the cause of the disease.

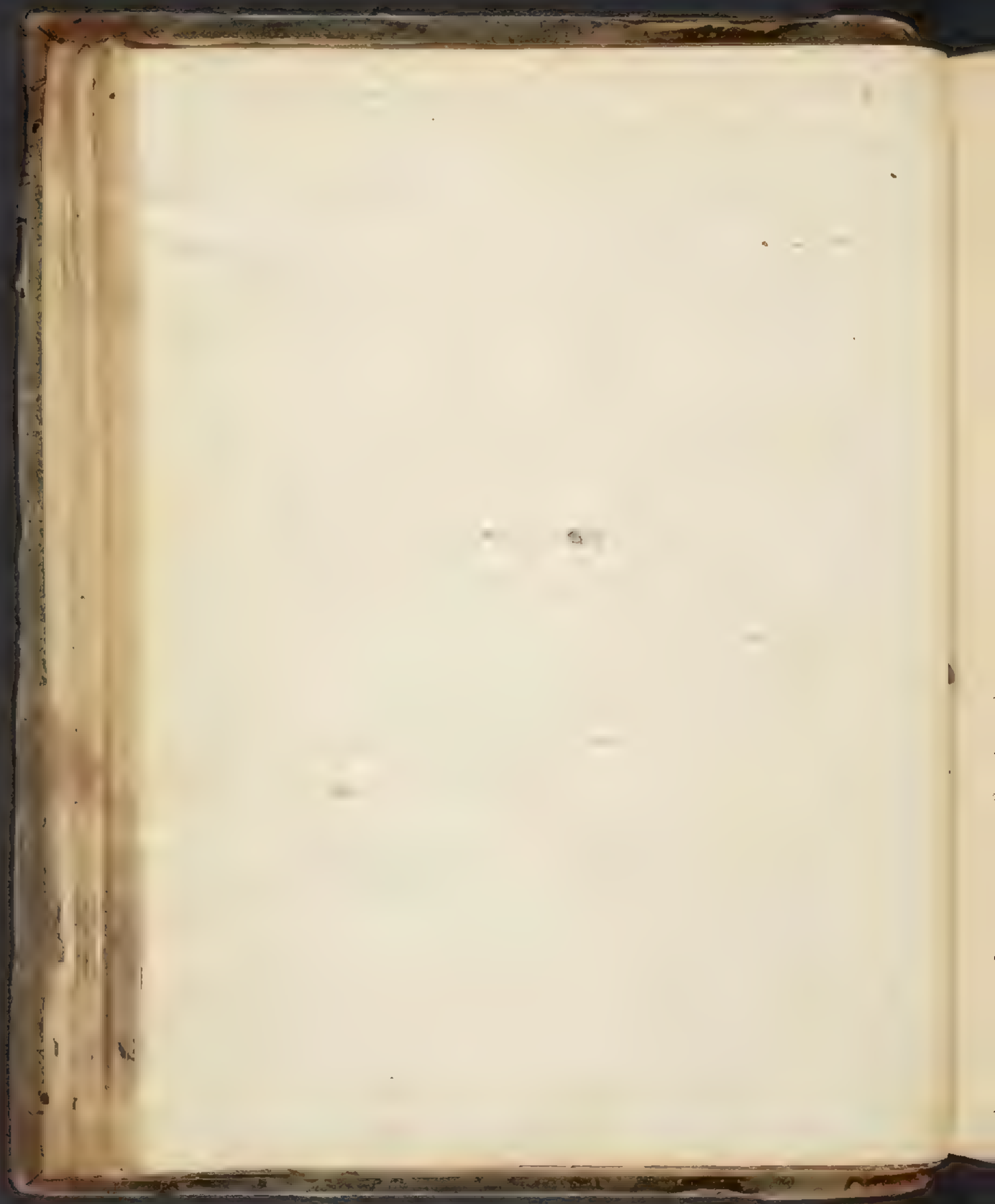
The disease is the result of the
local index and the local index is the
only one which is of importance in
the study of the disease. A considerable
distance from the eye is the most
likely to be the cause of the disease.
The disease is the result of the
local index and the local index is the
only one which is of importance in
the study of the disease. A considerable
distance from the eye is the most
likely to be the cause of the disease.

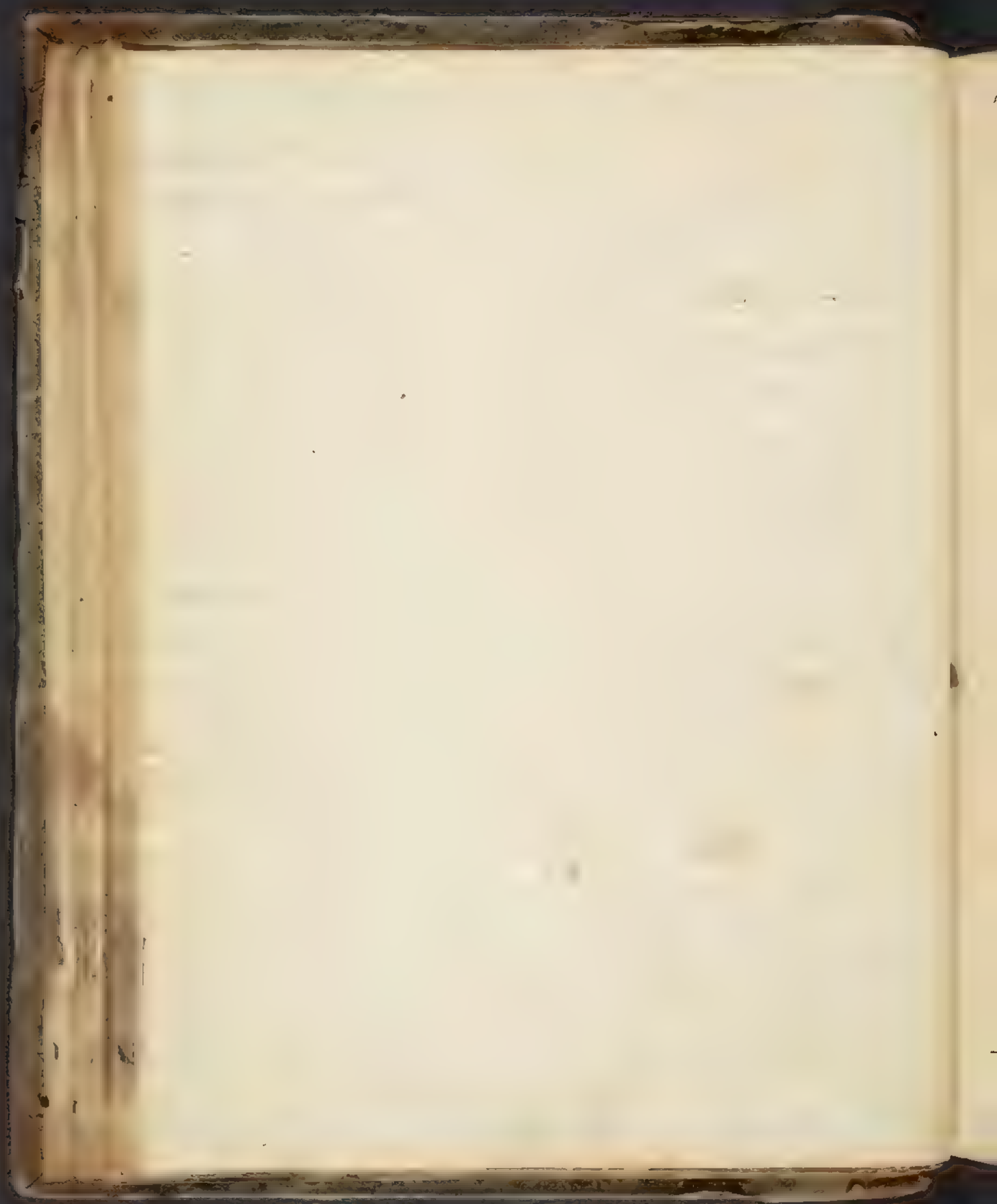


recourse to the occasional use of
a stimulant & of course to the use of
the strong & the removal of any worse
disease. When it seems in any instance
that a violent attack has been attempted & is
re-aided - some mild & sedative
is resorted to at the time -

Treatment To meet a case in the
most proper & efficient manner
is the aim. To reduce the inflammatory
action that the system takes on or
re-acts on -

The first & most important
thing to be done is to give the patient
a constitutionally sound & quiet
living. Fasting, Neutral salts, anti-
monials, liniments, Tamarina-water, &c.
are all to be avoided. The patient
should be kept in the most comfortable
position, & the most quiet & sedative
treatment should be given.





in latitude 30° 30' N. and longitude 100° 30' W. The summit is a peak of a moderate elevation.

the local enemies are needed for
verification & security & control - but if it
never be carried out, it will be done
later, when it is needed.

When the heart is weak, and the blood is
contaminated, the system is weak, and the
arteries are not so elastic, and the
blood is not so pure, and the
heart is not so strong, and the
system is not so healthy.

32 Pinus virginiana.

Practices are commendable in influence
from continued practice in seconds -



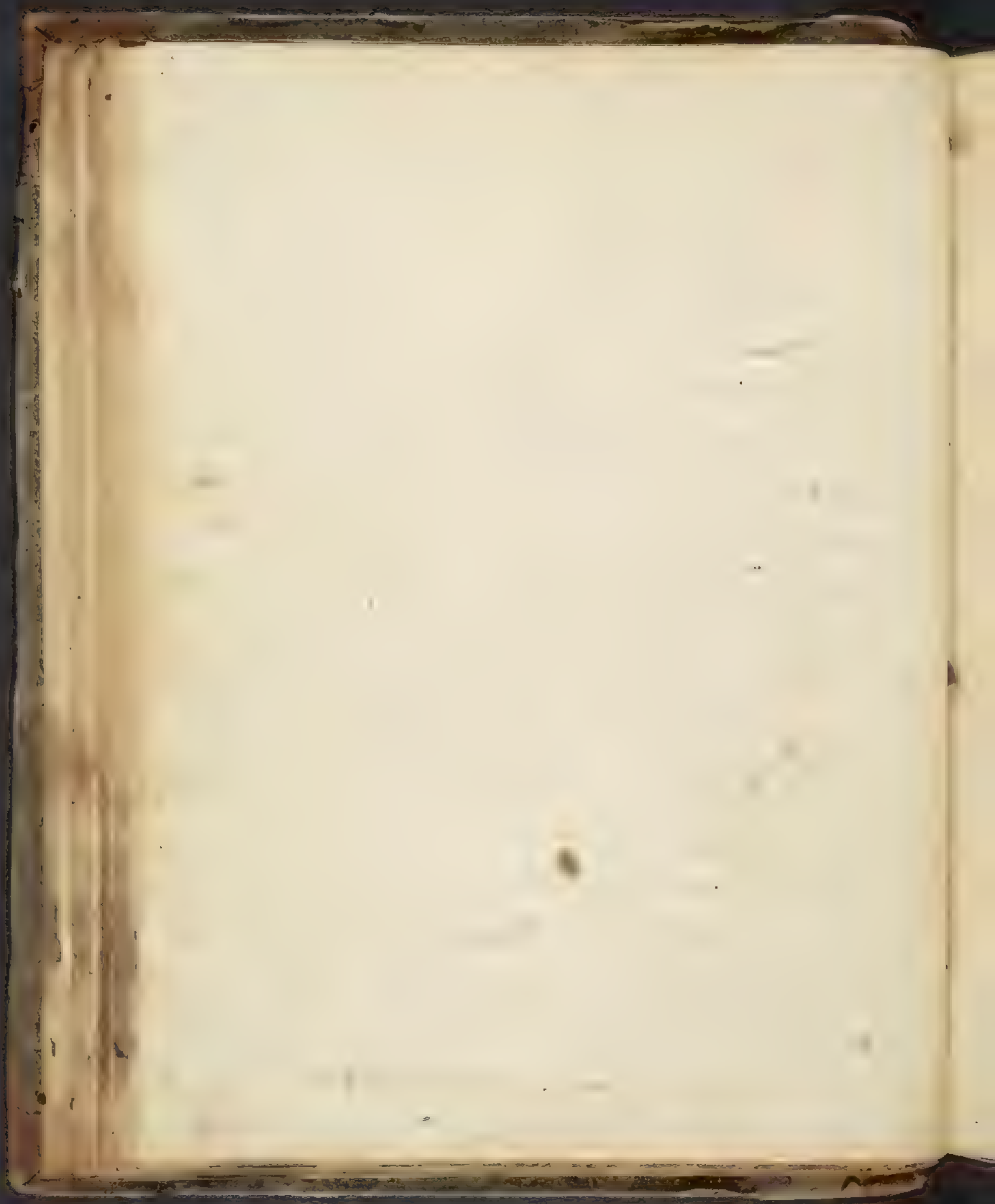


The of the

Lecture 2nd

ad Purification & stimulation -

[illegible]



presence of the sea is felt in the air
in the form of the wind. The air is
moist and is felt in the form of the
wind. The air is moist and is felt in the
form of the wind. The air is moist and is
felt in the form of the wind. The air is
moist and is felt in the form of the wind.

any remarkable allusion, - was found.
The air is moist and is felt in the form
of the wind. The air is moist and is felt
in the form of the wind. The air is moist
and is felt in the form of the wind. The
air is moist and is felt in the form of the
wind. The air is moist and is felt in the
form of the wind. The air is moist and is
felt in the form of the wind. The air is
moist and is felt in the form of the wind.

then a heavy rain fell. The air was
moist and is felt in the form of the
wind. The air is moist and is felt in the
form of the wind. The air is moist and is
felt in the form of the wind. The air is
moist and is felt in the form of the wind.
The air is moist and is felt in the form
of the wind. The air is moist and is felt
in the form of the wind. The air is moist
and is felt in the form of the wind. The
air is moist and is felt in the form of the
wind. The air is moist and is felt in the
form of the wind. The air is moist and is
felt in the form of the wind. The air is
moist and is felt in the form of the wind.



floating formation; the building enlarges
the part become better out in a
circulation. it is not. There is at the same
time an alteration in the color of the tumor
from a cluster to a pimple. It is also often
a yellowish granular in the most promi-
-nent part of the tumor. The color of the

tumor is altered and absolute or circumscribed
tumors containing pus. Abscesses are
often attended with regions in the skin
with a center & a rim. The center is often
removed by scratching the skin. If
the pain be very great & the tumor is
growing and is more elevated in the
center than the skin in the center. As
the center is a collection of red & white matter
-ally attended with the tumor in the center
part is also visible; and here an opening
is generally naturally made by an excoriation
of parts beneath the skin. A severe
opening is sometimes made by the skin



and fast beneath covering their sides & rough-
ing away, when this time has - generally
... a pretty large amount of the time
... natural covering the surface of the
... becomes necessary in some cases
- direct one - where a direct one is required
this opening to be made early. 1. if the
be certain on the floor or a wooden. 2. if water
over any of the points. 3. if attended with great
... in ... the basin of ...
may be almost immediately ...

In Suppuration attended with hectic fever.
The constitution suffers under the local
inflammation, & the power of the constitution
is unable to come to a return to health
by means of the usual or more common
disinfectants or any of the other. But the
symptoms of hectic fever, viz. hectic fever,
with a hectic, cold night sweats, attempts to
sweat on very little exertion; the urine
small, pale & frequent. Urine high
calculus



coloured and appears a redness. Dancer
in the case of the case of the case of the case
frequently terminates in Diarrhea. Gullen
says that the febrile fever in the case of
from an absorption of the. This is not the
case in the case of the case of the case of the case
a sign of febrile fever in the case of the case of the case
febrile fever, followed by the case of the case of the case
-florid indeed means in the case of the case of the case

The process of suppuration some times
in the case of the case of the case of the case
is absorbed. This is a febrile fever in the case of the case of the case
and at course it is a febrile fever in the case of the case of the case
medicines will produce the effect.
many of the cases have been seen in the case of the case of the case
in the case of the case of the case of the case of the case of the case
have been seen in the case of the case of the case of the case of the case
The matter formed in the case of the case of the case of the case
absorbed by the case of the case of the case of the case of the case of the case
have observed febrile fever in the case of the case of the case of the case
to be of the case of the case of the case of the case of the case of the case
of

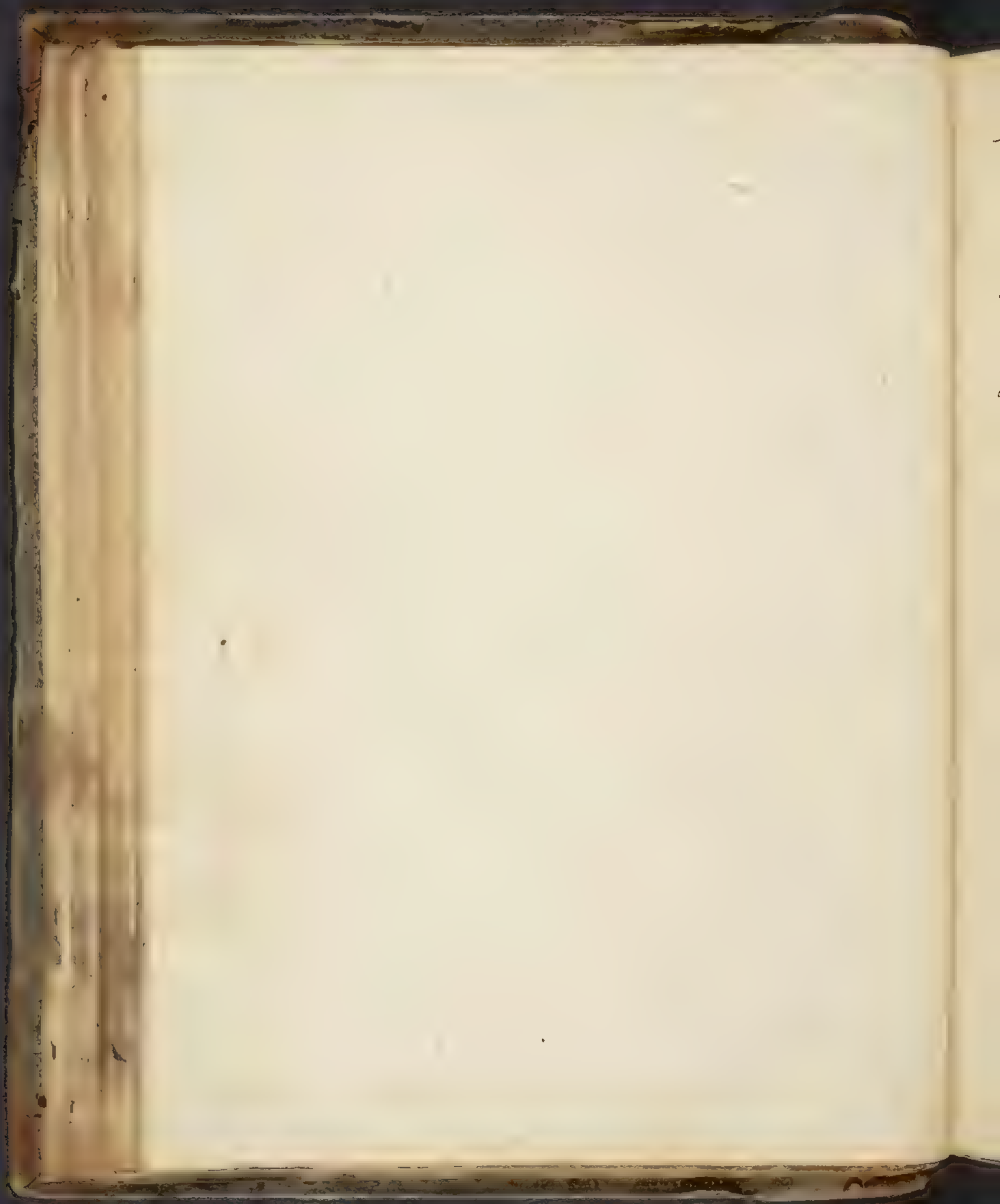


of being mixed by the motion & movement
of the air & is some times cured by its pro-
motion. When the tectic fever comes on
from a miasmatic cause the fever is
the same will come the same and it
does not again occur. But the matter can
be turned in much more than one way
in the treatment. The tectic fever is some
times relieved & even cured by ^{issues} ~~issues~~ and
these aid to the solution. There are various
things which the tectic fever is not the cause
of or a consequence of it.

If suppuration proceeds & destruction is not
the matter may be distinctly seen the skin
then is a sign of a miasmatic fever in the
the case - it is very common to see the
plaques of different kinds it is in creating
tumors containing pus such as the miasmatic
and sometimes a bone may be affected
and excite by maintaining the heat to the
tissues next preceding the eruption generally
certain



obtains the merit of accelerating the discharge
of business & not only so, but in the case
of blunders promote absorption by imitation.
Also on the common sense of men in
the case of business, such as include res-
ervation should be immediately closed.
The Councils are sometimes so enlarged by
imitation as to interfere with action. They
often discuss a question in a way which
does not always promote action.
The other side in human conduct of this nature
does not always take place between it
and the external world of the body and a
series of ideas & say more than is good, hence
the necessity of a strong abstract mind
in order to be able to see the truth. Hence
a strong mind. It is a periodical noise
in his head which is followed, and so it is
a sign of an abstract mind in the case of the mind.
It is ^{opening} the mind to the world. It is a time
to open all the formations of various senses
in the mind.

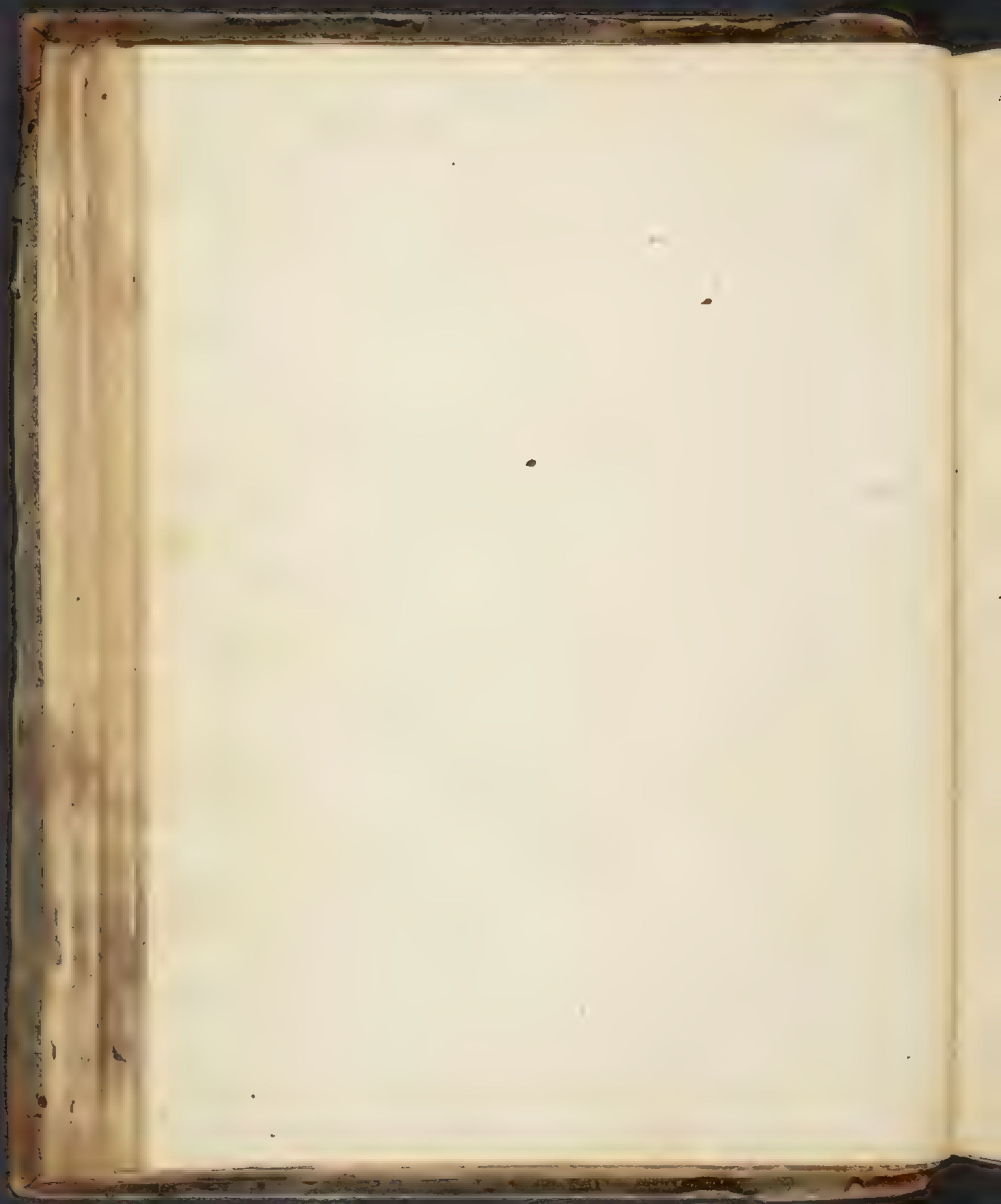


induced by a ... over the ...
... In the 1st Case the Patient
died owing to the violence of the ...
of the disease. In the second case the
abscess was opened and the patient recovered

I have known another ... instance
of ... in the ...

Discusses in the ... the ...
... the ... of the ...
... by ...
... much ...
has -

There are also ...
... 1st by incision - 2nd by producing an
eschar by caustic - The first ...
... the ... of the Patient
prevents it: in the case a thin ...
... may be applied for the space of
4 or 10 minutes the ...
... all ... to the ...
after the ... is ...
in the



in the same manner as an icer

Bile when taken from a healthy one is a light
straw coloured fluid & is of the colour of cream,
containing a number of globules. It does not
coagulate by heat or exposure to the air but evaporation
is rapid; it does not readily ferment - it is
specifically heavier than water and not readily
miscible with it; it is not corrosive - it
is said to be of a sweetish taste; it is said to be
in the other fluids of the body by its contain-
ing a coarser or a finer case than water
is in a fluid coagulable only by
sulphuric acid, which is not the case with any
other animal fluid - it is lighter than water
that it is a secretion of the vessels taking on
the nature of glands and that the globules
are not formed till after it is thrown out
of the vessels - it is in fact a secretion
which is secreted by excretion.

The time necessary for its formation
according to different circumstances - it is
formed



Ammonia is common in the Urine in some
cases after leaving the Venæ.

Ulcerative Inflammation.

Ulceration takes place mostly after sup-
puration; suppuration takes place after
the extraction of dead ulceration - In ulcer-
ative inflammation a hard swelling first
is removed by dissection & commences
usually after the inflammatory stage, & has
been known to increase it, as in cases of
cancer & as in some particular instances
as where I have seen death of a patient taken
place. The tumor has reduced the eye without
inflammation. The part of the eye near
the cornea is nearest the tumor & the
extraction of the hard swelling is always
attended with ^{inflammation} & called forerunners;
but this is not a necessary symptom of ul-
ceration; for we find that inflammation
occurs in not infrequent cases that proceed
slowly,



cases, but when milk has been attended with
great pain -

He will next proceed to a description of
Particular Parts and first at
Mammary Abscesses.

Remarkable instances of ulcerations attended
with inflammation occurs in mammary abscesses
of women. These may either be seated in the
Glandular Parts or in the cellular Membrane.

It seldom affects the whole gland at once
If part of the glandular substance be diseased
the secretion of Milk is commonly diminished
but if the whole of it is affected the secretion
is suspended altogether - but when the cellular
membrane is alone affected the secretion of Milk
is not much diminished. In abscess or inflamⁿ
of this gland, the Breast becomes stiff, swollen
and painful: Pus being formed & the secretion

but one milk, proceeds by a canal & a small
amount is the cause of the affection. The
Milk runs off in small quantities & the
Patient



Patient is seized with vertigo & Fever
When some times more than one tumor
is felt. Women are usually cured at the
breast as long as they live, but the
time when the disease must recur is
three or 4 Months after Parturition. These
cases are common or never be till they have
arrived in a considerable degree of
the disease continuing most acute & violent
in the case, tho' they always fail in their
attempts. The tuberculation is generally
the result of infection of the breast & it is
often it terminates in Abscess and the healing
is some times so great as to leave the nipple
the same in these cases is very intense.

When the disease is taken home
the vegetation is much in some times shown
out without being again absorbed & the
nipple is raised, the disease is a matter
of time & pain. I have seen them at
various sizes; some as large as the fist -
there

x one time there is no evident remembrance
.....

There are no cases known where the
have decided to enter into the regimen

These indications are given in the many to such
medical causes as tight shoes, & so on to a
training the vessels by long intermission with
with - they are some times produced by
the persons taking cold. In those cases
where the gland is enlarged by inflammation
return to their former size - some times
the glands are very much enlarged in
size & never become thick -

treatment. If a patient is in the same state
blood according to the strength of the patient
exhibit a Mercurial cure, & put the patient
upon a strictly vegetable diet - The breast
may be anointed with warm oil & if it be
inconvenient for the patient to be anointed &
should be done, if not do it at the least by
having a handkerchief around the neck - if
inflammation continue bloodletting should be repe-
ated, and application of leeches to the neck
will



will be found of great utility, as well as the
Paulticus, with lead water, we might ser-
viceable and should be applied after
excisions have been performed. If there
be not quite relief & the inflammation continues
the Pultice should be repeated first on one side
of the Breast & then on the other - A great
variety of Pultices have been used and are
often recommended, but I believe they are
all of doubtful efficacy - The matter is not
to be regarded as simple it be rejected, I have
come to the conclusion that it is better to
use the Pultice at once to both sides
than to repeat it on one side & then on the other
to keep the inflammation from spreading
to the other breast, but some think it is better
to apply it to one side & then to the other
in succession.



It is a very common mistake to suppose that if it becomes necessary to show the receipt, it is some times assumed to do it by simply by making a large sheet by divisions; but I have succeeded by making a join line into the paper, and subdividing and subdividing a large sheet of paper - the board must be drawn occasionally to avoid the matter collected for it or put in the case of Bologna I believe remaining in the same position to the host & depleted generally by bleeding (Pergamene and without any effect). The relation of Blister's removal the matter.

I removed the infection of the infected blood (attained with hard lines and was often - and cured by bleeding & the anti-infective regimen) by blistering and the same thing with mercurial ointment where the infection was as large as the host - mercurial ointment is good in remaining tumors.

Healing with the little ointment the little point



Don't admit any apparent cause is generally a series of small ones may be cured if taken in time by purging - Pusillages are occasioned by a leucation or throwing out of coagulable matter into the cells of the spleen & membrane - Pusillages are inflamed carry a coagulating lymph and adhere to the internal parts and become vascular & red -

to N.B. the reason of the shortness of the Lecture is because the Purge is so hot is spent as much as one third of the hour used in his Lecture in questioning his pupils on the subjects of the former Lecture and recollecting it -

Lecture -



Lecture 3^d

of Paronichia

Paronichia is a white inflamed swelling
at the ends of the fingers, with frequent suppuration. It is attended with itching
or excruciating pain according to the seat of the
disorder. Paronichia may be divided into 4
kinds - 1st when seated in the cuticle. 2^d
in the adhesive membrane under the skin;
3rd when the nail is much swollen and much
frequently appears under the nail - The whole
finger becomes swelled & painful - 3^o
In the Necess of the Venous & 4th in the
Purulentum - In the last case the pain
is very great tho without swelling at
first - when it takes place in the adhesive
membrane the pain is more severe than at
the cuticle taking place - the matter
formed in these two last species of Pa-
ronichia has some times been along the
course of



cause of the tendons under the Ligament of
the wrist, and formed a tumor at the lower
part of the bone etc. The bones often become
carious & the tendons some times hang loose
& some deep inflammation from this cause.

It is a difficult matter to point out the causes
of Abscesses. I have seen it in one instance
produced by the bite of a Squirrel. They are
also produced by nicks running through the
nails, or in the skin. Sometimes it is due to
the inflammation — In the treatment of
Abscesses there is not much to be done in
the first kind, and requires but little attention.
It may be opened and treated with the usual
-um Citrinum or Linimentum containing
-ing Saccharum Saturni — When it is
situated deeper than the Minimaie an
incision is given to it and if any part of the
bone be exposed it ought to be removed imme-
diately to be taken away — in the case may
either be tried in a practice —

Barling



Bailing water has likewise been used in
cases of Paronychia. I believe when it is of
any use it acts merely as a rubefacient.

In the manner of treating the Peritrium
and the Bone become carious & loosening
this disease: the matter should be evacuated
and the canals bone removed if practicable
if the matter should have reached the cause
of a Bone & a longitudinal incision should
be made before the injury which might
result comes on. If matter have traveled
up the root it should be cut out at the
most protruding part. Some times if the
orifice is small & grows up with fungus
and prevents its healing. For destroying the
excrescence, escharotics will be found tedious
and often in vain. It should be removed
by enlarging the incision -

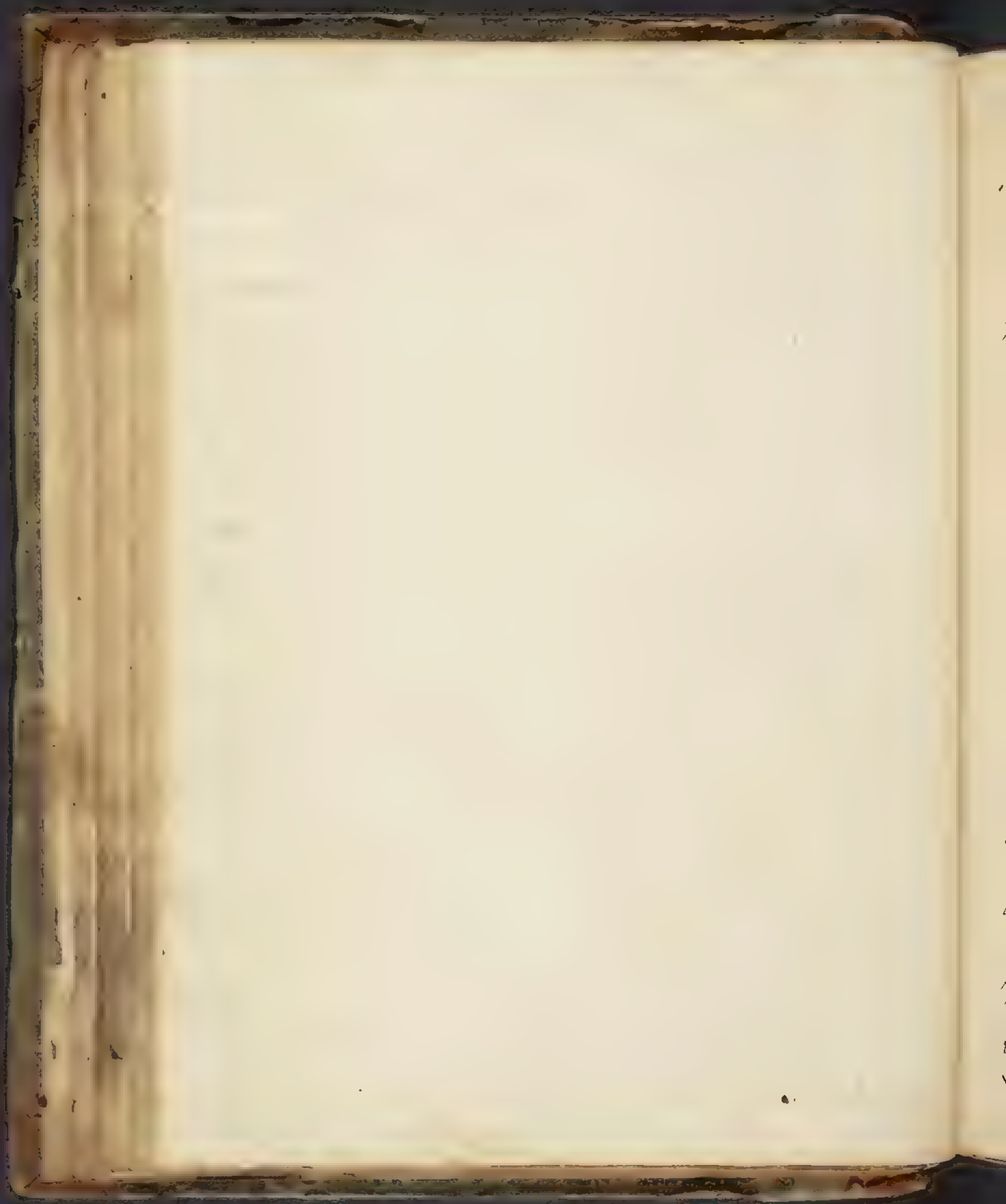


2^d in Boas abscess

The wheal is situated in the cellular membrane under the Boas muscle; when matter is discharged in the course of the cellular substance some of the remote causes of inflammation may produce this wheal. In it, however, the entrance of the body, it generally follows its course down along the Boas.

"It generally comes down it and out the similar regions, but at some times goes out at the ant. coming out from the neck. The thigh on the side affected is weak, the Patient cannot well stand. He generally bends the body to relax the muscles on the side affected, he can not well rotate the thigh, and is affected with rigors.

At some times happens that months elapse before any one mark of it can be seen. It is not uncommon to find it not uncommon. In some - it is a times comes on the same



some of them are seen to form in the 1st stage,

Some time the tumor is situated in the
upper part of the 1st stage some times at the
lower. The integument over the tumor
is not inflamed - the tumor is most
tense when the patient stands upright
when lying down it is soft & fluctuant.
Before it moves on the tumor it will
be little & as it moves it will
be large & pulsant. The
causing remission more tense. The
circulation may be seen, but.

These Abscesses never open for into
the cavity of the abdomen but have
some times returned the sides of the
contiguous Vessels, and thereby produce
fatal hemorrhage - if they continue a
long time they may occasion a Caries of
the Vertebra. When it bursts at the
upper part of the thigh, it appears like
Hernia. it has also been confounded
with



with Fistula in Ano

Treatment. If we are called to see the Patient in an early stage of the disease, we must keep him at rest, and he must avoid all animal food. Applying leeches to the back, and leeches over the prostate, & since the Patient lies on his back a little blister to the sacrum is advised. To the rectum 1 or 2 ounces on the Lungs.

When the tumor is far gone externally it has become distinct whether the pus is about to issue or not. In some instances we are afraid to make an opening into the Sacculi; but when it is very indurated it behooves the Patient to be in danger if left to show it self. The Pus is also &

therefore the condition will increase & it will unless they are by the best intention. In a word the Pus will attack every part of the cavity, which is the cause of all the symptoms in fistula.



Mr. Pierrotha no doubt, thinking we should
be better off, has been to see it is that
it is not of the second degree, but the
first degree. He has promised to perform
the operation with a lancet, the puncture
-ure to be made in the longitudinal direction
of the diaphragm, first to make one incision
through the skin, then to make the puncture
which is through the diaphragm, by the
means we make a number of drawings,
we should see no incision on any thing
is, and then the rest of the skin is because
they would irritate the heart, and when
the matter is diminished, for is the lower
edges of the second incision with adhesive
Plaster - with the matter in the lungs, and
then the skin is not so much, he should with
the lancet only, without any danger in the side,
as the points will be kept together and so
cured is not to be some inflammation. It is the
best method of treating the abscess. I have
tried this



three times the length of the body
is a slender more or less. The male has
been able to penetrate the female, because
all the time the female has been
been surrounded with a mass of white
brown, sometimes very much enlarged. The
structure does not always unite by the
male's intention, and when this does
not happen, the male and female are
disjoined, and all the while the male
comes on and on.

Among the different information
before spoken of there is some other and
more of

Consequences

This is an illness of the digestive system. At
some times it is in the form of a
fever, and the whole body. It is fre-
quently preceded by shivering and is
followed by a hot fit. The skin is of
light yellow in some cases; and the

copied



[illegible]



excoriate. In addition to the various
- veins running from cell to cell in the
adipose membrane causing red in the
part - when the irritation takes place
in the cellular membrane it is disor-
- dered in places like wet tone, and is
very apt to be. This is most the case
when it is treated about the ...

From inspection to note the ...
the ... in the ...
and ... from the 10th to the 12th ...
... the ... has can't ...
the whole skin & inside of the mouth
is very dry.

Causes. The causes are so ... to the
and quite common in the ...
... . It ... comes
on ... without any ...
... -

Cure. In Europe ... the ...
the



The cure is much the same as in common
impetigo. It may generally be removed by
attending to the antiseptic regimen before
suppuration takes place, but when suppu-
ration supervenes it must be opened early
to prevent its extension to the cellular mem-
branes. Incisions, and application of leeches
determination to be necessary in some
cases. The application of a blister is
partly on the same principle on the inflamed
part is of great service and I have applied
blisters in many instances over the inflamed
parts with success. When it
extended over the face I applied the blister first
to one side then to the other. I mention
a case of Erysipelas impetigo of the
leg & thigh being cured by the application
of blisters over the inflamed parts. The
inflammation generally terminates in about
five days -

Alexander



Oedematous Inflammation

Oedema is a condition in which the tissues are swollen with fluid. It is a common condition in many diseases, and is often associated with inflammation. The swelling is due to an accumulation of fluid in the interstitial spaces of the tissues. The fluid is usually clear and colorless, but it may become cloudy or colored in some cases. The swelling is often accompanied by redness, heat, and pain, which are signs of inflammation. In some cases, the swelling is so severe that it causes the tissues to become tense and hard. In other cases, the swelling is so extensive that it causes the tissues to become necrotic. The swelling may be localized to a specific area, or it may be generalized throughout the body. It may be acute, or it may be chronic. The swelling is often a symptom of a more serious underlying condition, and it is important to identify the cause of the swelling in order to treat it properly.

The most common remedy is the application of leeches, or blood & milk poultice mixed with it, or with lactarium Saturni. It is more careful than any thing else.

I once had a ^{Patient} case of Oedema aged 30, & fractured him at the knee. many hours later he came on, the knee swelled & left the knee bare, his life was saved by amputation & the local application of leeches.



Burns & Scalds

The ~~various~~ effects induced by the application of heat, differ according to the intensity of the heat, and the time of its continuance.

Its effects are first, when the degree of heat is low, a redness and of the part affected.

2. Vesication causing a separation of the cuticle, attended with an effusion of serum -

3. The death of the part forming an Eschar by the caustic - by this is

destroyed the skin, cuticle & membrane, forming a lost part of the same & similar to a

the ulcer is formed in that, and is in an earlier.

The heat of a burning coal

or of any of the Medicine Vitæ will

produce this effect. Some times the bones

are indurated by the application of heat

and it frequently terminates in death. In

the life of a part only is destroyed. The

patient does not feel any heat in

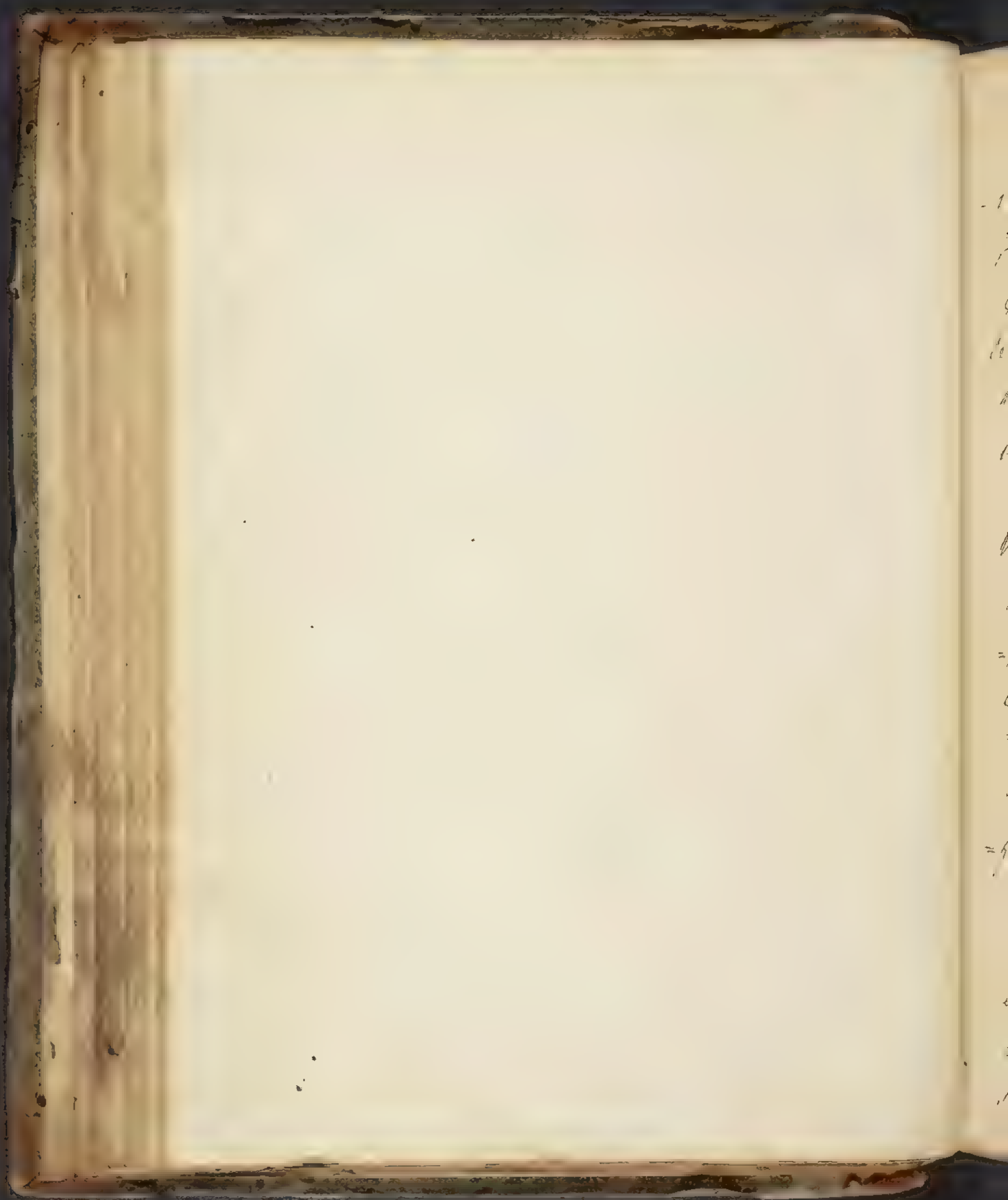
after the first stage to the end. The other 3 or



4 days, when the inflammatory process of
sloughing takes place for the restoration
of the dead part. I saw a little boy who
undertook to reach the edge of a caldron
wh^{ch} was full of very hot water in a
trap of his own making, when his foot sticking
he plunged into the midst of it. He was
wet nearly two thirds over, and his feet
feeling the heat of the water was so much that
he was very much burned. His pulse
was scarcely perceptible and extremely slow,
a heavy drowsiness prevailed. He was very
restless & he constantly changed his position.
He did not speak until I asked a question
and then he answered very rationally, &
when interrogated respecting his feelings he
said he felt no pain. He died in about
6 hours. When these symptoms are pro-
duced by giving the patient Sclerum ^{if over} recovers
In judging of the correct course, the
most important is the extent of the injury
and age



the age of the Patient, & Burns are more
dangerous in young & in those in the
early stage. Mortification & even death ensues
in all Cases - Burns affect the whole
the most, tho they prove fatal at times to all
ages - If but a small part be exposed
or its depth not great, there is no danger.
A deep burn if it be of small extent, or
spread but little, is but a small injury; but
if it be of great extent it is very dangerous
of a extremely dangerous - There is much
- pain in the very first stage sometimes occasioned
by the skin & the burn itself - Burns occasioned
by any of the Hamilton Patients appear as no
serious consequence at first, but after some
time the skin & the burn begin to rot and leave
the bones bare, hectic fever ensues & the
Patient dies - Burns occurring over large
parts require the scarification very early
in time; Tincture of Ferrous comes on & ampu-
tation is absolutely necessary for the recovery
of the



moment of the Patient.

I consider it as resulting from various differ-
-ing from all other inflammations, ^{1st} it dis-
-poses the system to a different kind of
-heat of an or any other kind being at the
-burning, Swelling, Pain. It is not
-being capable of resolution, and causing
-infection of the parts concerned, with those
-up fungus formation that are very difficult
-to be suppressed. 3^d The cicatrices formed by
-ulcers resulting from burns, have a dis-
-position to contract much more than other
-cicatrices not the result of burns, causing
-thereby, a much greater deformity of the part
-affected. 4th, They are cured by totally dif-
-ferent remedies - as Volat alkali, Sp^{ts} Turbth de.

Treatment. The Remedies employed in cases
- of Burns are very numerous, they are either
- general or local. Most authors advise
- selecting remedies in such indiscriminately
- that they should not be used unless fever
- and



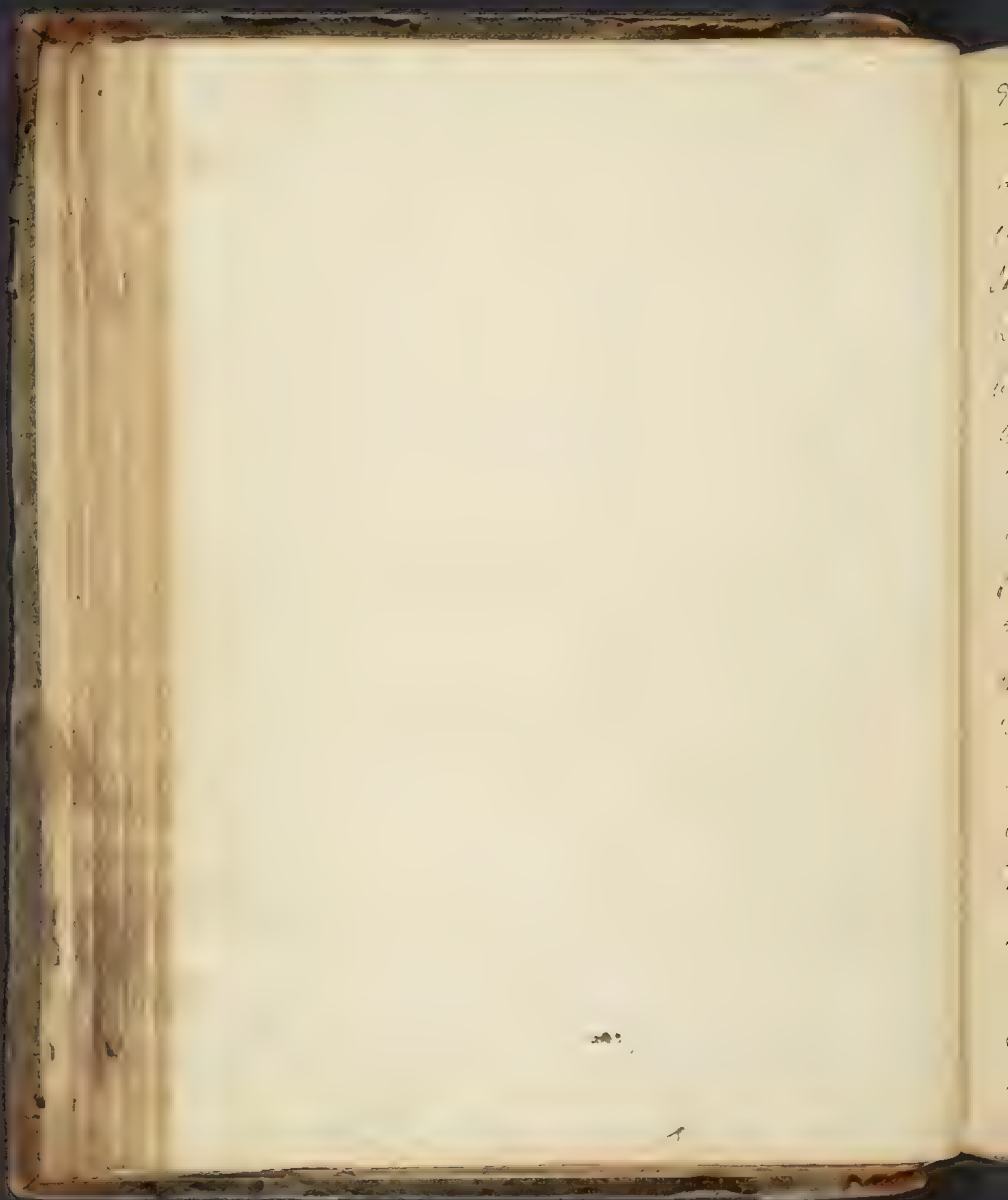
and great inflⁿ Supervene. If the burn be
extensive and great weakness attends: the patient
-ent may be supported by BARK wine, &
even Brandy, & water. He should have
very nourishing aliment he can devise. If
the extremities be cold apply Sinapisms. If you
this invigorating plan of treatment, inflⁿ and
fever should Supervene, bloodletting & a more
sparging diet would be necessary.

The Local Remedies generally advised, are
cold water, Lead Oils, and the Cold in a
bottle. The latter recommends Ice above all
other remedies applied to the part. I have
found very little effect from the cold
water, or the bottle. Lime water &
oil, these form a most effectual
local application instead of the cold water, and
the common people use diluted Nitric acid.

Some use ^{an} water, with as much common
Salt as can be dissolved in it as a local remedy.
On the very thin watery applications have
been used

to act. Specifically, like ~~her~~ in length
the most severe -

used as Valerian's spirit. Spirit of turpentine
is. Spirit of turpentine is a spirit of
turpentine can be used as a turpentine & it
is used as a turpentine oil & it is very
good. Turpentine is a disease
of the skin. From some men's skin; it may
be called burning skin and the skin
of some men can be cured in a short time
by such remedies as will remove it. The
most common cause of this disease is
an excess of the paper very little paper in
the skin. The inhibitory action of the skin
part, the most of these remedies as will remove
it and may be used in the skin. The skin
is the most of the skin for a while. But the
Turpentine & Basilicon Ointment on the skin
is a common application and is very
useful. Valerian alkali & Linseed oil, and
other things, are used in the skin. The
most of the skin. When the skin of
turpentine is applied to any indolent part
Great



great care must be taken that the fingers are not
torn to the same parts. It will produce
in them indurated skin & swelling. if for
instance you apply it to the finger, it
something between the increased and the well
heart. When the hand and fingers are much
burned it ought never to be taken off the
plaster & stick the hand & fingers straight; &
the fingers held close and other. The plaster
will prevent the new granulations from
coming in a contracted state as in a burn
the case in Burns, and the fingers are
uniting with each other, & thus a child
who was burned in the city where I was
in consequence of a judicious treatment
were held in such a manner as to require a
little more of the kind of operation to separate
the fingers from each other, and from the pain
of the hand - We are frequently not called
to cases of Burns for several days after they
have occurred, and a number of applications
have



have been tried, & have yielded to Turpen-
tine & Basilicon when not called till three or
4 days after the accident - In one case of a
burn of a child, the Turpentine & Basilicon
was applied, but owing to the inflammation
of the parents together with the clamour of
the women, it was omitted for 3 or 4 days
I lost my knowledge; the child became
colder and a gangrene arose over the burn
of the leg. I was sent for again on the
last was blinded with burnt alum, and
the Turpentine & Basilicon was again applied
and soon cured the child -

In the case of a Patient who was burned
with gun powder this medicine was used & the
burn entirely left him in about 4 hours after
the application of the ointment. However he
soon complained of lamina in the liver,
wh upon examination shewed not to have
any of the Turpentine upon it, and when
the application to this part the pain quickly
ceases.

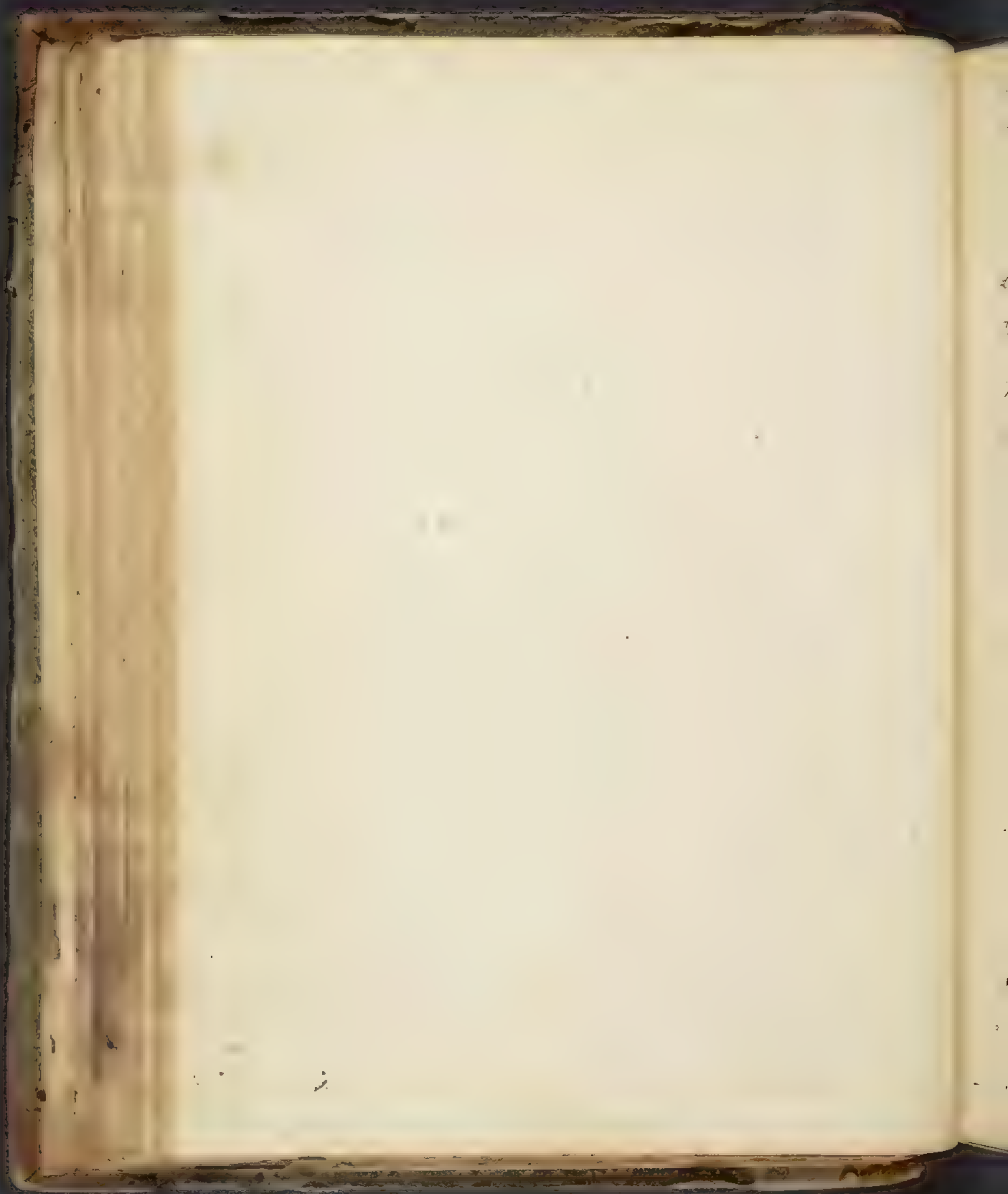


and the latter is more difficult to cure; but I
have found that the Turpentine & Basilicon
cured them very readily.

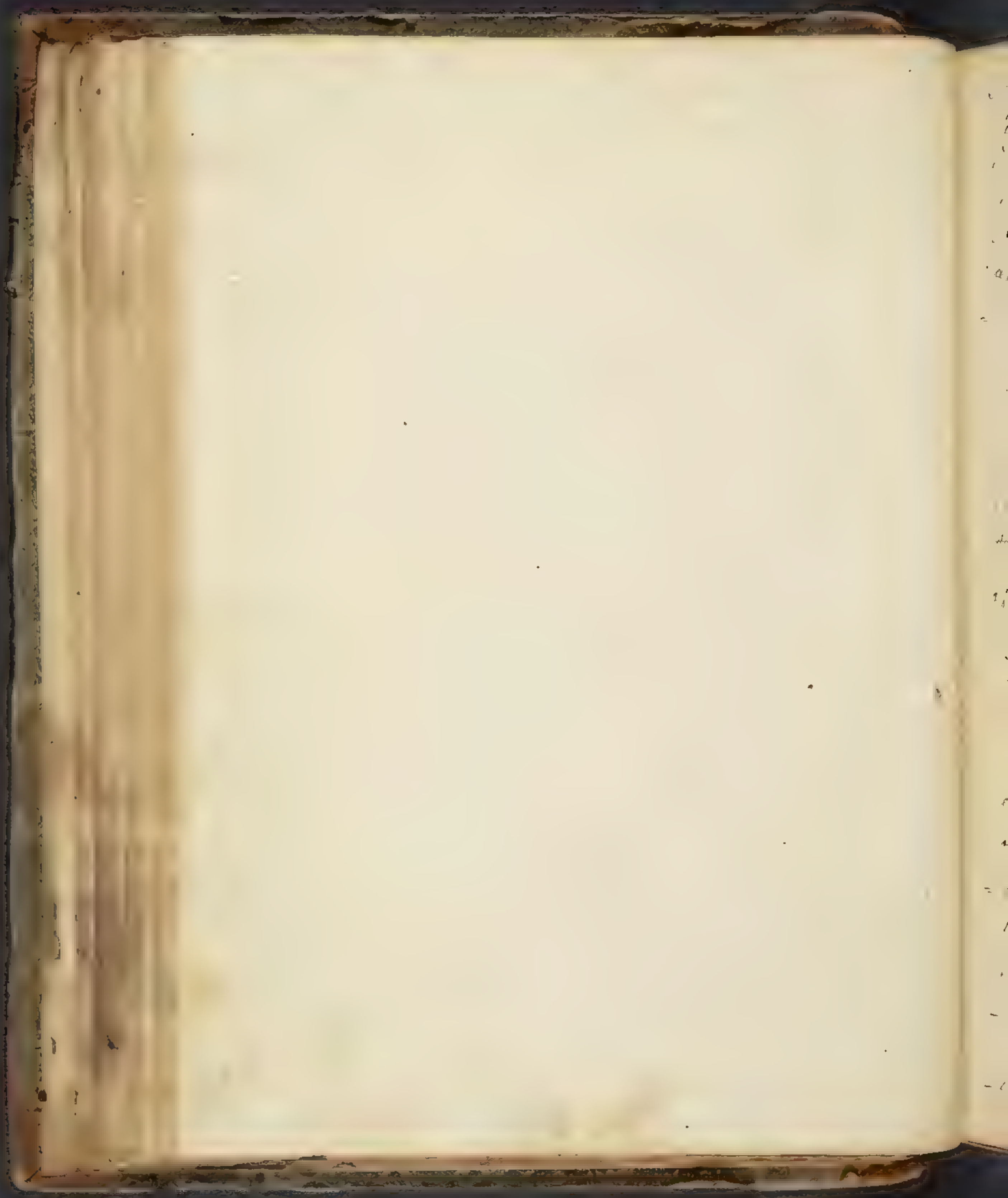
Indurated parts when in contact are
very apt to grow together so that we should
be extremely careful to rub the inguings
between indurated surfaces as we are not
with each other while they are uniting
and granulating otherwise the parts will
adhere by the union of granulations as in
the case of the epididymis. I have seen the
scrotum adhere to the penis and the
penis to the scrotum with lead treatment, and
the scars of the healed sores to the inter-
-digital space; it has been made by uniting
by an operation but is not so common
as the former cases. The scrotum is
pinned over a



[illegible]

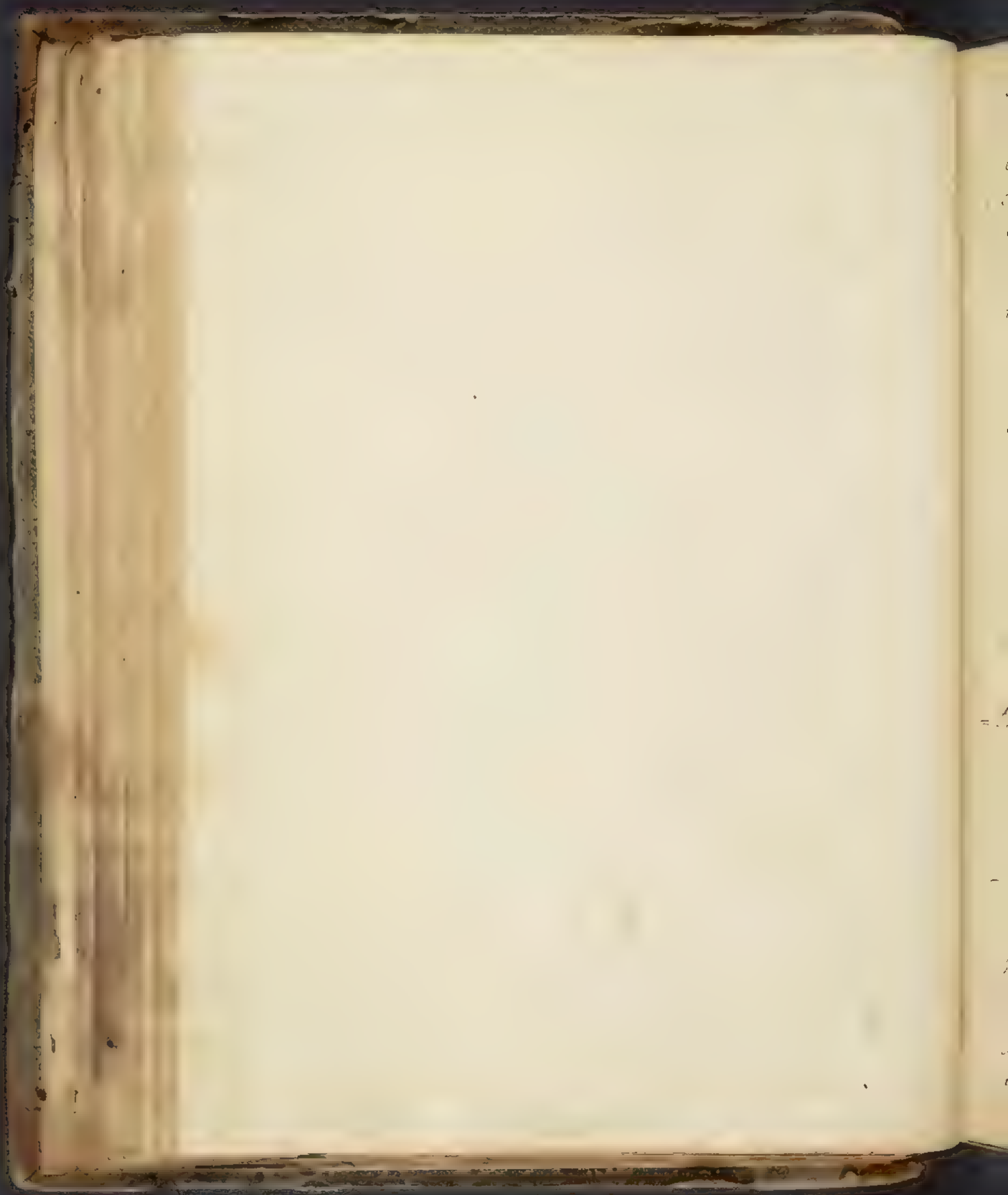








1891



[illegible]



2. Paper of the Committee on

1882

[Faint handwritten notes or bleed-through from the reverse side of the page.]

There is a full moon in the sky at night.

[Faint handwritten notes at the bottom of the page]

new series the collection at the Department of the Interior

1. The first part of the paper is devoted to a general discussion of the problem of the existence of a solution of the system of equations (1) for arbitrary values of the parameters α and β . It is shown that the system of equations (1) has a solution for arbitrary values of the parameters α and β if and only if the condition $\alpha + \beta = 1$ is satisfied.

the same to the same



The proposed participation can not be held
in the Local publication as it is a separate
from the other two not in the same
of the same nature as the other two
to be in the same nature as the other two
the same



[illegible]

The distribution of the ...
...
...
...
...
...
...
...
...
...



Nitric

6 2 1 2 2 2 2 2

[illegible]

[Faint handwritten notes at the bottom of the page]

1. The first of the three is the
 2. The second of the three is the
 3. The third of the three is the



The first of the most important of the
 principles of the theory of the
 mind is that the mind is a
 continuous process. It is not a
 series of discrete states, but a
 continuous flow of experience.
 The second principle is that the
 mind is a process of becoming.
 It is not a static state, but a
 process of becoming. The third
 principle is that the mind is a
 process of becoming. It is not a
 static state, but a process of
 becoming. The fourth principle is
 that the mind is a process of
 becoming. It is not a static state,
 but a process of becoming. The
 fifth principle is that the mind is
 a process of becoming. It is not a
 static state, but a process of
 becoming. The sixth principle is
 that the mind is a process of
 becoming. It is not a static state,
 but a process of becoming. The
 seventh principle is that the mind
 is a process of becoming. It is not
 a static state, but a process of
 becoming. The eighth principle is
 that the mind is a process of
 becoming. It is not a static state,
 but a process of becoming. The
 ninth principle is that the mind
 is a process of becoming. It is not
 a static state, but a process of
 becoming. The tenth principle is
 that the mind is a process of
 becoming. It is not a static state,
 but a process of becoming.



The first thing I noticed when I stepped
 out of the car was the cold. It was a
 sharp, biting cold that seemed to seep
 into my bones. I pulled my coat tighter
 around me and walked towards the
 entrance of the building. The door was
 open, and a warm, fragrant smell
 greeted me. It was the smell of
 freshly baked bread, and it made me
 feel like I had come home. I took a
 deep breath and walked inside. The
 room was large and airy, with high
 ceilings and large windows. The floor
 was made of polished wood, and the
 walls were covered in a light-colored
 paint. In the center of the room was
 a large, round table with a white
 tablecloth. There were several chairs
 around the table, and a few people
 were sitting at them. I walked over
 to the table and sat down. A woman
 with short, dark hair and a friendly
 smile approached me. She was wearing
 a light-colored dress and had a warm
 glow on her face. She reached out
 her hand and shook mine. "Welcome
 to our home," she said. "I'm so glad
 you're here. Please, sit down and
 enjoy the food. We have a lot of
 delicious things to eat." I looked at
 the table and saw a variety of dishes.
 There was a large bowl of soup, a
 plate of meat and vegetables, and a
 small dish of fruit. I took a bite of
 the soup and it was perfect. It was
 exactly what I needed. I looked up
 at the woman and smiled. "Thank
 you so much," I said. "This is
 wonderful. I've never had anything
 like this before." She laughed and
 said, "That's because you haven't
 been here before. This is our special
 place. We have a lot of secrets here,
 and we're going to share them with
 you. So, sit down and enjoy the food.
 We have a lot of delicious things to
 eat." I took another bite of the soup
 and it was perfect. It was exactly
 what I needed. I looked up at the
 woman and smiled. "Thank you so
 much," I said. "This is wonderful. I
 've never had anything like this before."



[illegible]

Col. Walter Henry, a private friend of the



I have been thinking of you very much lately
 and wondering how you are getting on. I hope
 you are well and happy. I have been very busy
 lately but I will try to write to you more often.
 I am sure you will understand me. I am
 always your affectionate friend.
 Yours truly,
 R.



Lacerations

Wounds.

The laceration of the skin is a wound of the external surface of the body, in which the continuity of the skin is broken, and the underlying parts are exposed.

The laceration may be produced by a sharp instrument, or by a blunt instrument, or by a fire arm, or by a fall, or by a burn, or by a frost, or by a chemical agent.

The laceration may be superficial, or it may penetrate to the underlying parts, or it may be fatal.

The laceration may be simple, or it may be complicated with other injuries, such as fracture, dislocation, or concussion.

The laceration may be clean, or it may be ragged, or it may be torn, or it may be crushed, or it may be burned, or it may be frozen.

The laceration may be small, or it may be large, or it may be deep, or it may be shallow, or it may be oblique, or it may be transverse, or it may be longitudinal.

The laceration may be fresh, or it may be old, or it may be healing, or it may be healed, or it may be scarred, or it may be discolored, or it may be itchy, or it may be painful, or it may be swollen, or it may be inflamed, or it may be infected, or it may be gangrenous, or it may be fatal.



[illegible]

The enclosed letters are from the
the same person who has been writing
you for some time. I have been
very busy lately and have not had
time to write you more often.
I hope you are well and happy.



1. The first of these is the fact that the
 2. The second is the fact that the
 3. The third is the fact that the
 4. The fourth is the fact that the
 5. The fifth is the fact that the
 6. The sixth is the fact that the
 7. The seventh is the fact that the
 8. The eighth is the fact that the
 9. The ninth is the fact that the
 10. The tenth is the fact that the

Handwritten text at the top of the page, possibly a title or header, including the word "ent" and some illegible characters.

The first of these is the fact that the
 world is not a uniform whole, but is
 divided into many parts, each of which
 has its own peculiar characteristics.
 The second is that the world is not
 a static entity, but is constantly
 changing and developing. The third
 is that the world is not a simple
 machine, but is a complex system
 of many interacting parts. The fourth
 is that the world is not a single
 entity, but is a collection of many
 different entities. The fifth is that
 the world is not a single entity, but
 is a collection of many different
 entities. The sixth is that the world
 is not a single entity, but is a
 collection of many different entities.
 The seventh is that the world is not
 a single entity, but is a collection
 of many different entities. The eighth
 is that the world is not a single
 entity, but is a collection of many
 different entities. The ninth is that
 the world is not a single entity, but
 is a collection of many different
 entities. The tenth is that the world
 is not a single entity, but is a
 collection of many different entities.



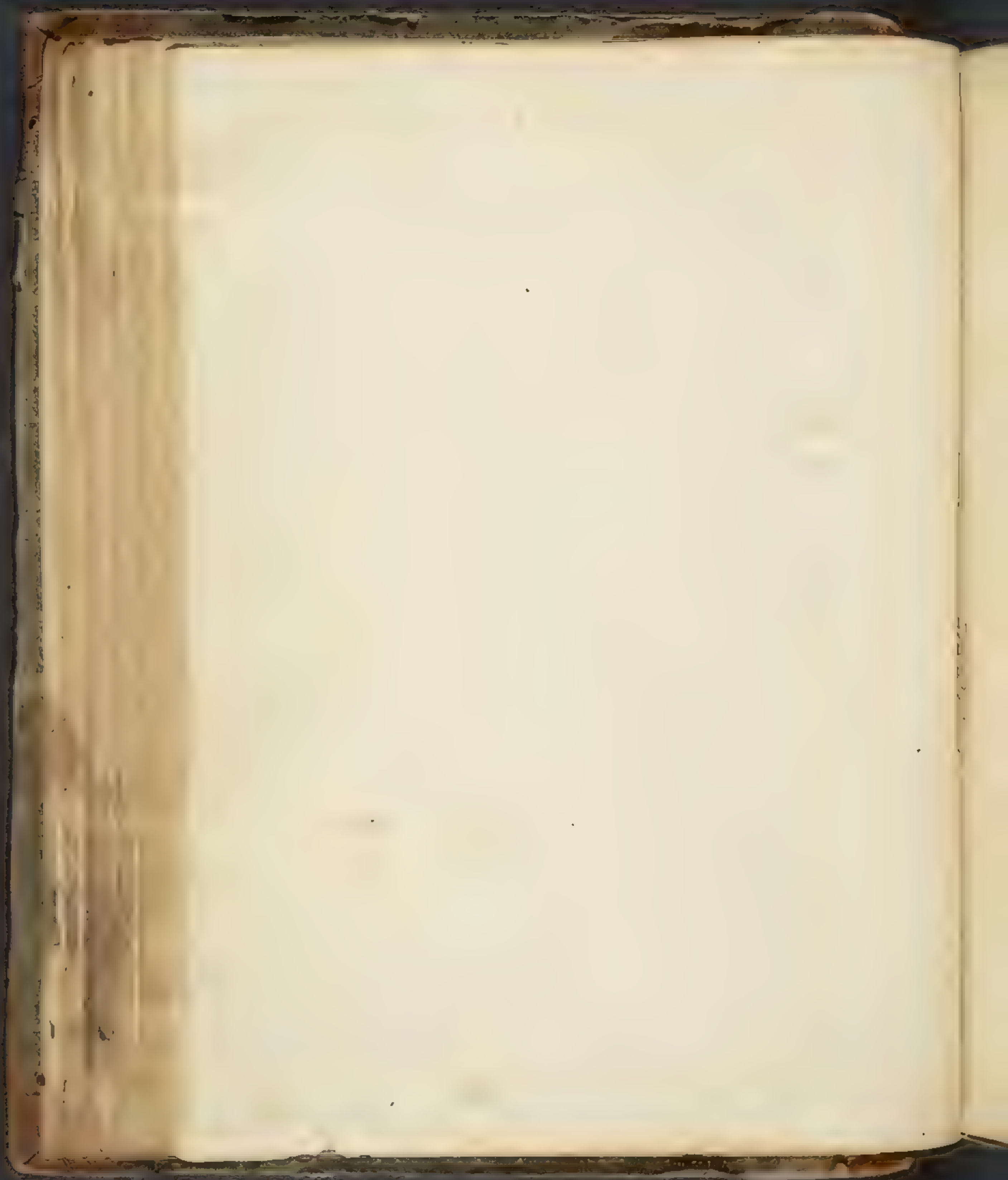
[illegible]







The first thing I noticed when I stepped
 out of the car was the cold. It was a
 strange feeling, like I had been wrapped in a
 blanket of ice. The air was so crisp, so
 different from the warm, humid air of the
 South. I shivered, and then I remembered
 the jacket I had packed. I pulled it out of
 my bag and slipped it on. It was a heavy
 coat, but it felt like a friend. I looked
 around at the people walking past. They
 were all dressed in winter clothes. I
 felt like I was in a different world. The
 snow was so beautiful, so soft. I had
 never seen it before. I had heard it was
 like a dream, but now I was here. I was
 in the heart of it. I was in the heart of
 the North.



Punctura hircus

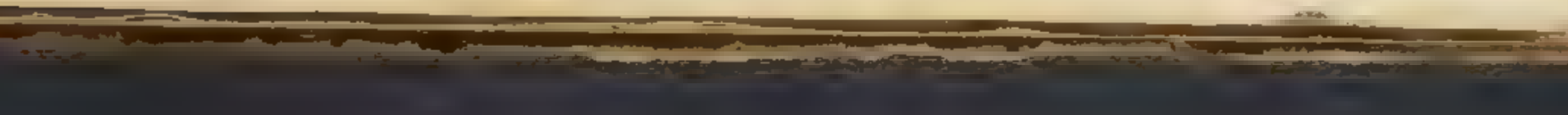
[illegible]

The first of these is the fact that the
 second of these is the fact that the
 third of these is the fact that the
 fourth of these is the fact that the
 fifth of these is the fact that the

There is a small creek in the
valley of the mountains. It is
very small, but it is very
clear and pure. It is very
pleasant to drink.

the end of the road, I
now turn to the right and
along the cut in the
road, there is a lot of

There are no birds in the air
nor fish in the sea - it is all
dead.

The bottom half of the page features a sepia-toned photograph of a desolate landscape. The foreground consists of dark, textured ground, possibly mud or sand, with some sparse vegetation. A straight horizon line divides the image roughly in half. Above the horizon, the sky is a uniform, light grayish-blue, suggesting an overcast day. There are no clouds, trees, or other distinct features visible in the distance.



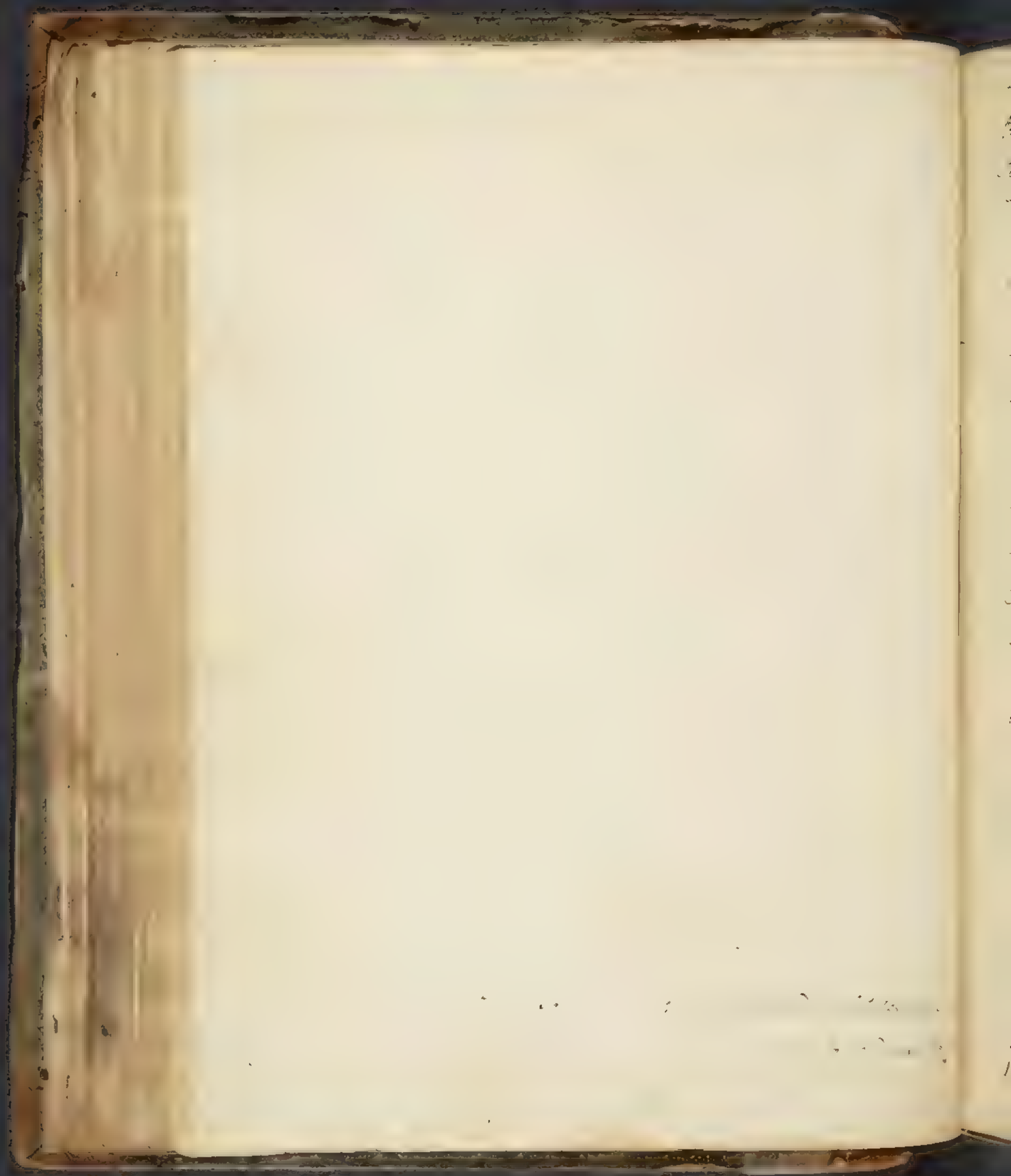


... ..
... ..
... ..



Wounds of the Face

In many of the Cyclopses the same letter will





The first of these is the
the second is the
the third is the
the fourth is the
the fifth is the
the sixth is the
the seventh is the
the eighth is the
the ninth is the
the tenth is the

Notes on the Lips.

The first of these is the
the second is the
the third is the
the fourth is the
the fifth is the
the sixth is the
the seventh is the
the eighth is the
the ninth is the
the tenth is the

Notes on the Tongue

The first of these is the
the second is the
the third is the
the fourth is the
the fifth is the
the sixth is the
the seventh is the
the eighth is the
the ninth is the
the tenth is the
the eleventh is the
the twelfth is the
the thirteenth is the
the fourteenth is the
the fifteenth is the
the sixteenth is the
the seventeenth is the
the eighteenth is the
the nineteenth is the
the twentieth is the
the twenty-first is the
the twenty-second is the
the twenty-third is the
the twenty-fourth is the
the twenty-fifth is the
the twenty-sixth is the
the twenty-seventh is the
the twenty-eighth is the
the twenty-ninth is the
the thirtieth is the
the thirty-first is the
the thirty-second is the
the thirty-third is the
the thirty-fourth is the
the thirty-fifth is the
the thirty-sixth is the
the thirty-seventh is the
the thirty-eighth is the
the thirty-ninth is the
the fortieth is the
the forty-first is the
the forty-second is the
the forty-third is the
the forty-fourth is the
the forty-fifth is the
the forty-sixth is the
the forty-seventh is the
the forty-eighth is the
the forty-ninth is the
the fiftieth is the
the fifty-first is the
the fifty-second is the
the fifty-third is the
the fifty-fourth is the
the fifty-fifth is the
the fifty-sixth is the
the fifty-seventh is the
the fifty-eighth is the
the fifty-ninth is the
the sixtieth is the
the sixty-first is the
the sixty-second is the
the sixty-third is the
the sixty-fourth is the
the sixty-fifth is the
the sixty-sixth is the
the sixty-seventh is the
the sixty-eighth is the
the sixty-ninth is the
the seventieth is the
the seventy-first is the
the seventy-second is the
the seventy-third is the
the seventy-fourth is the
the seventy-fifth is the
the seventy-sixth is the
the seventy-seventh is the
the seventy-eighth is the
the seventy-ninth is the
the eightieth is the
the eighty-first is the
the eighty-second is the
the eighty-third is the
the eighty-fourth is the
the eighty-fifth is the
the eighty-sixth is the
the eighty-seventh is the
the eighty-eighth is the
the eighty-ninth is the
the ninetieth is the
the ninety-first is the
the ninety-second is the
the ninety-third is the
the ninety-fourth is the
the ninety-fifth is the
the ninety-sixth is the
the ninety-seventh is the
the ninety-eighth is the
the ninety-ninth is the
the hundredth is the



Silene

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

[illegible]

[Faint handwritten notes]

20777. *Staph. ...*

7. 11. 1900

the ^{2nd} time

[Faint handwritten notes at the bottom of the page]

1891

1875

— 22 —

all the same, and the same

1870

and the

less than in the 1st. The 2nd is

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

... I don't ...

be seen. The relations in the case

but we are not returning to the old
house in any case & would be glad to see

[Faint handwritten notes at the bottom of the page]



[illegible]



The first of these is the fact that the
 second of these is the fact that the
 third of these is the fact that the

1890

1870

1871

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

1900

[Faint handwritten notes at the bottom of the page]

[Faint handwritten notes at the bottom of the page]

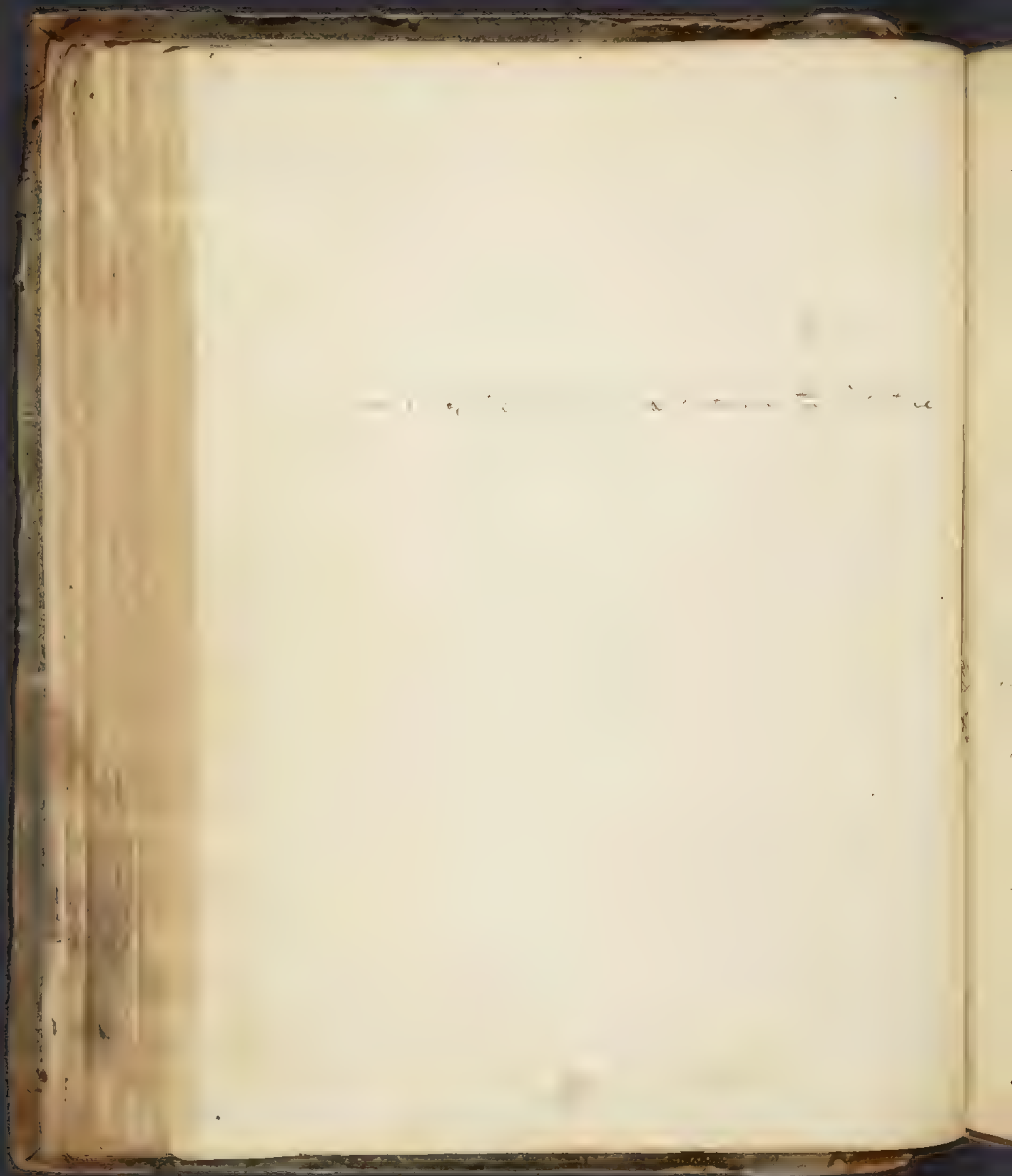
2000

1871

[Faint handwritten notes or bleed-through from the reverse side]

0.22

1. The first part of the document is a list of names and dates, which appears to be a record of some kind. The names are written in a cursive script, and the dates are in a more formal, printed style. The list is organized into two columns, with names on the left and dates on the right. The names are: "John A. Smith", "John B. Smith", "John C. Smith", "John D. Smith", "John E. Smith", "John F. Smith", "John G. Smith", "John H. Smith", "John I. Smith", "John J. Smith", "John K. Smith", "John L. Smith", "John M. Smith", "John N. Smith", "John O. Smith", "John P. Smith", "John Q. Smith", "John R. Smith", "John S. Smith", "John T. Smith", "John U. Smith", "John V. Smith", "John W. Smith", "John X. Smith", "John Y. Smith", "John Z. Smith". The dates are: "1810", "1811", "1812", "1813", "1814", "1815", "1816", "1817", "1818", "1819", "1820", "1821", "1822", "1823", "1824", "1825", "1826", "1827", "1828", "1829", "1830", "1831", "1832", "1833", "1834", "1835", "1836", "1837", "1838", "1839", "1840", "1841", "1842", "1843", "1844", "1845", "1846", "1847", "1848", "1849", "1850", "1851", "1852", "1853", "1854", "1855", "1856", "1857", "1858", "1859", "1860", "1861", "1862", "1863", "1864", "1865", "1866", "1867", "1868", "1869", "1870", "1871", "1872", "1873", "1874", "1875", "1876", "1877", "1878", "1879", "1880", "1881", "1882", "1883", "1884", "1885", "1886", "1887", "1888", "1889", "1890", "1891", "1892", "1893", "1894", "1895", "1896", "1897", "1898", "1899", "1900".









1870
The first of the year
was a very dry one
and the crops were
very poor. The
winter was also very
dry and the crops
were very poor.

The second of the year
was a very wet one
and the crops were
very good. The
winter was also very
wet and the crops
were very good.
The third of the year
was a very dry one
and the crops were
very poor. The
winter was also very
dry and the crops
were very poor.

The fourth of the year
was a very wet one
and the crops were
very good. The
winter was also very
wet and the crops
were very good.
The fifth of the year
was a very dry one
and the crops were
very poor. The
winter was also very
dry and the crops
were very poor.

The sixth of the year
was a very wet one
and the crops were
very good. The
winter was also very
wet and the crops
were very good.



[Faint handwritten notes, possibly bleed-through from the reverse side.]

[illegible]





[illegible]

Let the people of the world know
that the world is not a place
of suffering and pain, but a place
of joy and happiness.



[illegible]



[illegible]



[illegible]

being able to stop a cation for it and
advised to law off the point at the corner, the man
over the water, and at the same time the man
being down the river in the direction

but this is a bad practice because it causes
great pain & it does not do it. It is a
danger of recording the wrong thing but not

There is something at the bottom of the matter.
The fact is, the case is not as simple as it seems.
It is more than one thing.

For a short time to remain in the city and
still a little further - - - - -
I should not have - - - - -
be - - - - -



[illegible]





[illegible]

Names of the Vines

1. The first part of the paper is devoted to a general discussion of the problem of the origin of life. It is shown that the problem is one of the most important and interesting in the history of science.



The first thing I noticed when I stepped
 out of the car was a warm, humid breeze.
 It felt like a giant hand reaching out to
 greet me. The air was thick with the scent
 of tropical flowers and the distant hum of
 machinery. I took a deep breath, savoring
 the unfamiliar atmosphere. The sun was
 high in the sky, casting long shadows
 across the wet pavement. I could hear
 the distant call of a bird, its melody
 blending with the sounds of the city.
 It was a strange mix of nature and
 civilization, a place that felt both
 ancient and modern at the same time.
 I walked slowly, my eyes taking in
 every detail. The buildings were a mix
 of old and new, their architecture
 reflecting a rich history. The streets
 were filled with life, with people
 going about their day. I felt a sense
 of wonder and curiosity, a desire to
 explore every corner of this new world.
 The humidity was a constant presence,
 a reminder of the tropical climate.
 It was a challenge, but also a part
 of the experience. I knew that this
 was just the beginning of my journey.
 There were so many things I wanted
 to see and do, so many stories I wanted
 to hear. I felt a sense of adventure,
 a thrill that I hadn't felt in a long
 time. The humidity was a part of it,
 a reminder that I was in a new place,
 a place that was waiting for me to
 discover its secrets.



($\frac{1}{a^2}$ is not a constant, $\frac{1}{a^2}$ is a constant)

Swollen surfaces, which
 can be taken off at a point
 & drawn out to the length
 of an inch or more. The
 surface is then covered
 with a thin layer of
 the same material. The
 result is a soft, spongy
 mass which can be
 used for a variety of
 purposes. The material
 is then dried in the
 sun, and the result is a
 hard, brittle substance
 which can be used for
 a variety of purposes.

Gunshot Wounds

When the arms were injured
 by a gunshot wound, the
 result was a severe
 laceration & gangrene
 set in. The wound
 was then treated with
 a variety of remedies,
 but the result was
 a severe infection
 which could not be
 cured. The patient
 died of the infection.



[illegible]







[illegible]



[illegible]





[illegible]



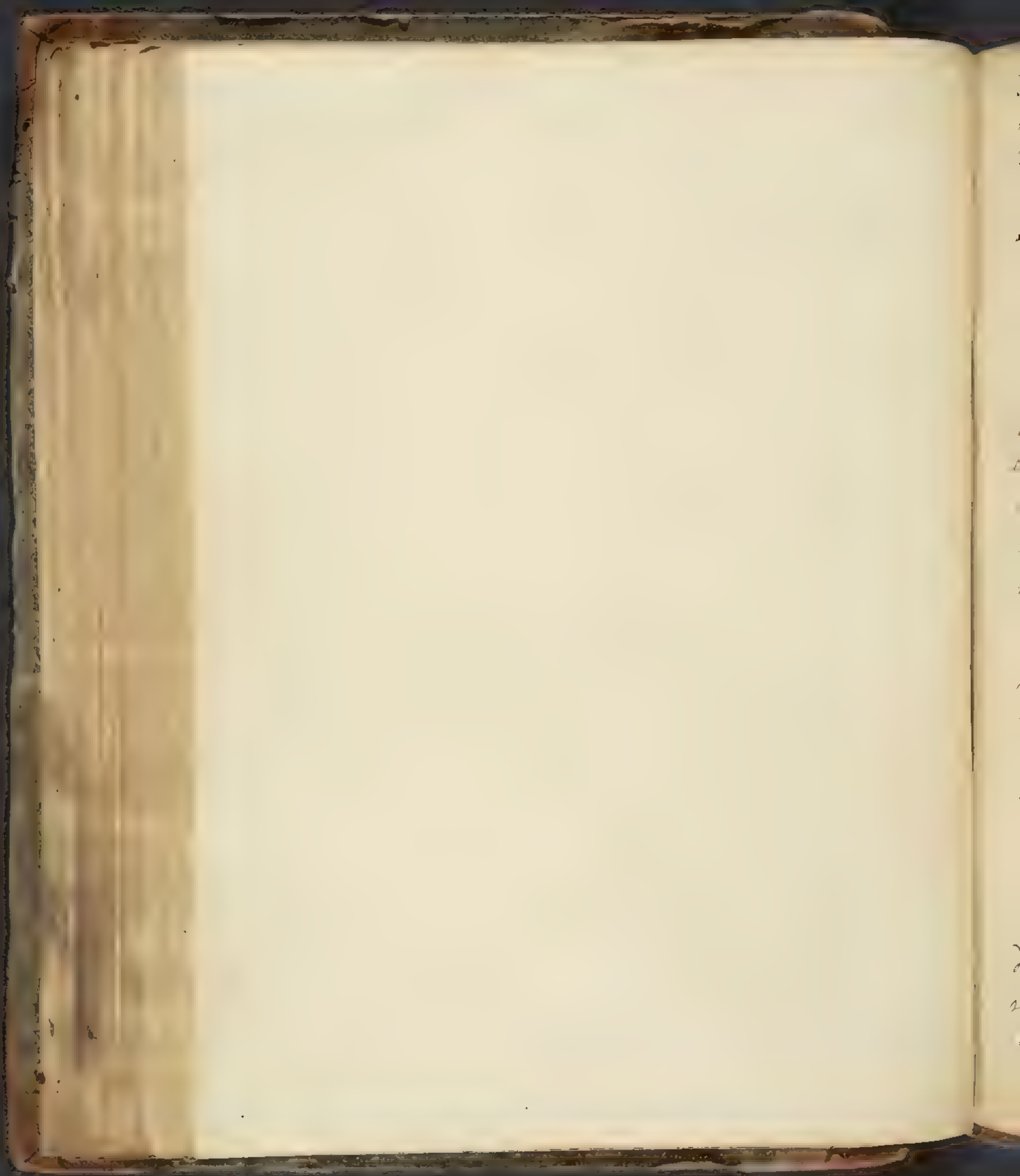


The first method of cure is by
 the use of the lithotrite or lithotome
 which is a small instrument used to
 crush the stone. It is used in the
 following manner: The patient is
 placed on his back and the stone is
 exposed. The lithotrite is then
 introduced into the bladder and the
 stone is crushed. The fragments are
 then removed. This method is the
 most common and is the most
 successful. It is also the most
 dangerous. The patient is in great
 pain and the operation is very
 difficult. The stone is often
 missed and the operation is often
 repeated. The patient is often
 killed. The second method of cure
 is by the use of the lithotome
 which is a small instrument used to
 cut the stone. It is used in the
 following manner: The patient is
 placed on his back and the stone is
 exposed. The lithotome is then
 introduced into the bladder and the
 stone is cut. The fragments are
 then removed. This method is the
 most common and is the most
 successful. It is also the most
 dangerous. The patient is in great
 pain and the operation is very
 difficult. The stone is often
 missed and the operation is often
 repeated. The patient is often
 killed. The third method of cure
 is by the use of the lithotome
 which is a small instrument used to
 cut the stone. It is used in the
 following manner: The patient is
 placed on his back and the stone is
 exposed. The lithotome is then
 introduced into the bladder and the
 stone is cut. The fragments are
 then removed. This method is the
 most common and is the most
 successful. It is also the most
 dangerous. The patient is in great
 pain and the operation is very
 difficult. The stone is often
 missed and the operation is often
 repeated. The patient is often
 killed.



The first thing I noticed when I stepped
 out of the car was the cold. It was a
 sharp contrast to the warm blanket of the
 car. I shivered slightly, but then I
 remembered that this was the first time
 I had ever seen the city. The streets
 were wide and clean, and the buildings
 were tall and modern. I had heard
 that the city was beautiful, but I had
 never seen it before. I took a deep
 breath and walked towards the city.
 The air was crisp and fresh, and I
 felt like I was in a new world. I
 had heard that the city was a place
 of opportunity, and I was here to
 see it for myself. I had come to the
 city with a dream, and I was ready
 to make it a reality. I had heard
 that the city was a place where
 anything was possible, and I was here
 to prove it. I had come to the city
 with a dream, and I was ready to
 make it a reality. I had heard that
 the city was a place where anything
 was possible, and I was here to prove
 it. I had come to the city with a
 dream, and I was ready to make it
 a reality. I had heard that the city
 was a place where anything was possible,

1891



Settlement.

The first thing I noticed when I stepped out of the car was the heat. It was a sticky, oppressive heat that seemed to wrap around me. I had heard that the weather in this part of the country was terrible, but I didn't realize how bad it would be. The sun was beating down on my face, and the air was thick with humidity. I took a deep breath and felt the heat fill my lungs. I was in for a long drive home, and I knew I would need to find a way to cool down. I looked out the window and saw the road stretching ahead of me, flanked by dry, cracked earth and sparse, scrubby vegetation. The road was a mix of dirt and gravel, and it seemed to shimmer in the heat. I turned on the air conditioning and felt a relief that I hadn't expected. The car's AC was a small oasis in the sea of heat. I drove for about an hour, and the heat didn't seem to get any less intense. I was starting to feel a bit dizzy and nauseous. I knew I had to stop soon, but I didn't want to get lost in this unfamiliar territory. I decided to pull over at the first gas station I saw. I got out of the car and took a moment to catch my breath. The heat was still there, but it felt a little less overwhelming. I looked around and saw a few other cars parked nearby. I noticed a man in a white shirt and dark pants standing near the back of one of the cars. He was looking at his phone, and I saw a small, dark object in his hand. I didn't think much of it at the time, but I would later realize that it was a small, dark object that would change my life.

The heat of granulation is a result of the friction between the particles of the material being granulated. This friction generates heat, which is then transferred to the surrounding air. The heat is also transferred to the granules themselves, which become hot to the touch. This heat can cause the granules to become sticky and clump together, which is why it is important to keep the granules cool during the granulation process. One way to keep the granules cool is to use a cooling system, such as a fan or a water spray. Another way is to use a material that has a high thermal conductivity, such as metal. This will help to dissipate the heat more quickly. The heat is also a result of the chemical reaction between the material and the granulation medium. This reaction releases energy, which is then converted into heat. This heat can also cause the granules to become sticky and clump together. To prevent this, it is important to use a material that is chemically stable and does not react with the granulation medium. The heat is also a result of the mechanical energy that is used to drive the granulation process. This energy is converted into heat, which is then transferred to the granules. This heat can also cause the granules to become sticky and clump together. To prevent this, it is important to use a material that is mechanically stable and does not break down under the pressure of the granulation process.



[illegible]



[illegible]



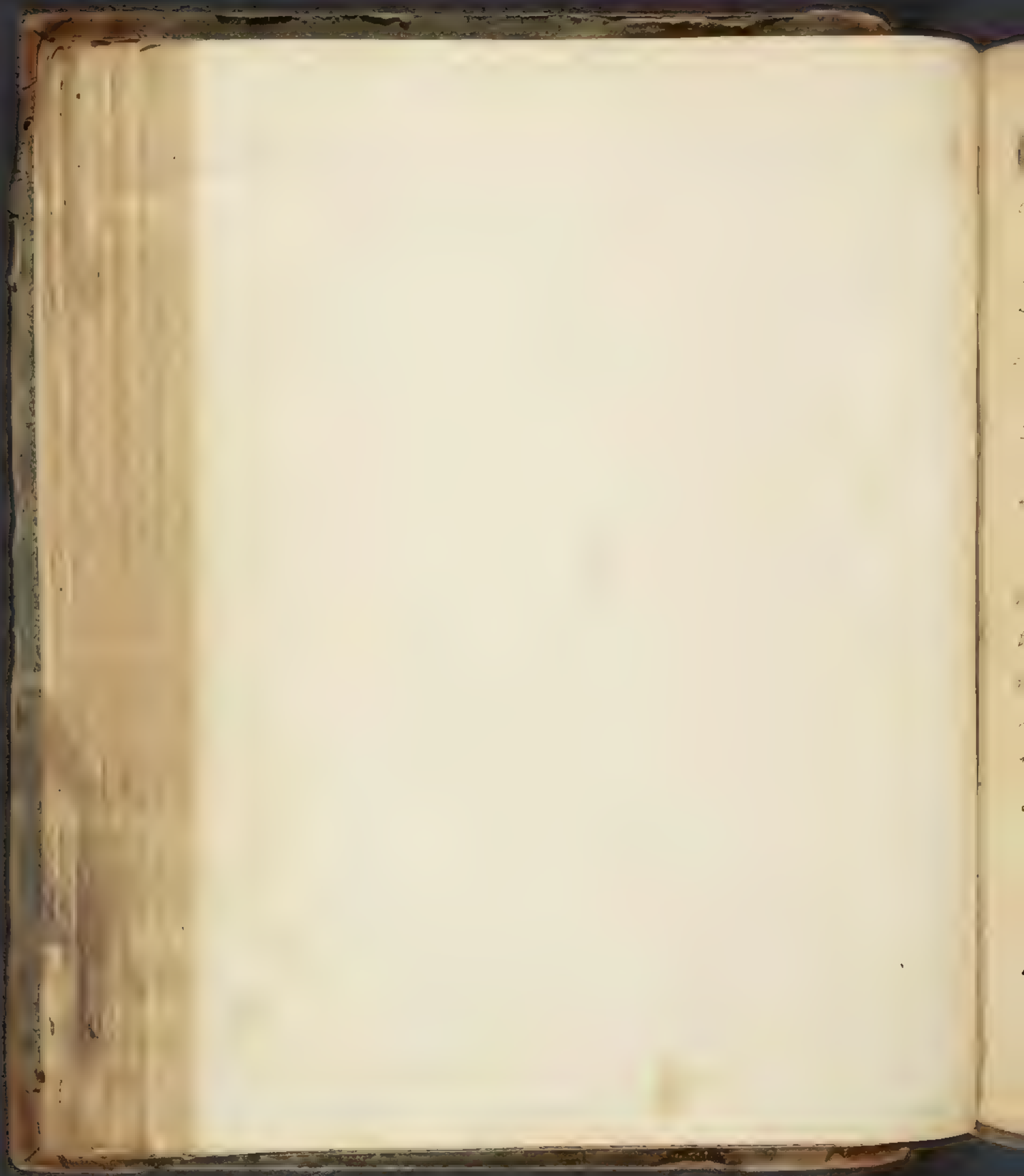
The first thing I noticed when I stepped
out onto the beach was the cool air. It was
a relief after the heat of the sun. I walked
towards the water, feeling the sand under my feet.
The waves were gentle, lapping at the shore.
I looked down at the water, seeing the small fish
swimming near the surface. The sun was shining
brightly, reflecting off the water. I felt a sense
of peace and tranquility. The sound of the waves
was soothing. I closed my eyes and took a deep
breath. The air was fresh and clean. I loved
being here. It was a perfect day. I was
in luck. The weather was just what I needed.
I was finally able to relax. The sun was
just what I needed. I was finally able to
relax. The sun was just what I needed.

The second thing I noticed when I stepped
out onto the beach was the cool air. It was
a relief after the heat of the sun. I walked
towards the water, feeling the sand under my feet.
The waves were gentle, lapping at the shore.
I looked down at the water, seeing the small fish
swimming near the surface. The sun was shining
brightly, reflecting off the water. I felt a sense
of peace and tranquility. The sound of the waves
was soothing. I closed my eyes and took a deep
breath. The air was fresh and clean. I loved
being here. It was a perfect day. I was
in luck. The weather was just what I needed.
I was finally able to relax. The sun was
just what I needed. I was finally able to
relax. The sun was just what I needed.





[illegible]



2. Inflamed Ulcers.

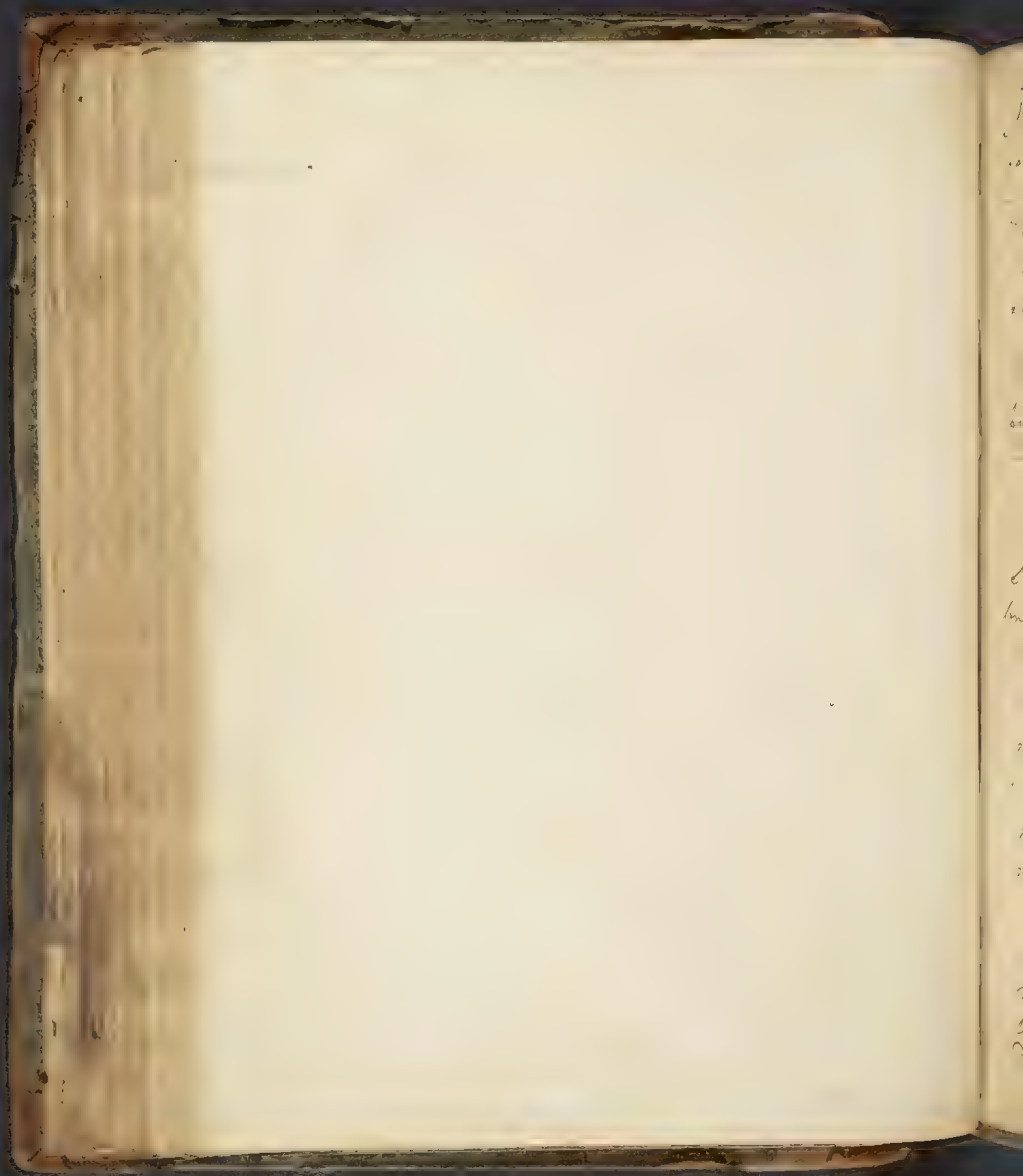
The first thing to be done is to get the patient into a comfortable position, and to keep the ulcer clean and free from any discharge. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment.

Treatment. If the ulcer is inflamed, it should be dressed with a soothing ointment. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment.

2. Fungus Ulcers.

These are caused by a fungus, and are characterized by a white, cheesy discharge. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment. The patient should be kept at rest, and the ulcer should be dressed with a soothing ointment.





hanging from the ceiling. The room is very large and airy, with a high ceiling and a large window. The furniture is simple and functional, with a table and chairs. The room is very clean and well-maintained. The room is very comfortable and relaxing. The room is very quiet and peaceful. The room is very bright and sunny. The room is very warm and cozy. The room is very nice and pleasant. The room is very good and great. The room is very beautiful and lovely. The room is very interesting and exciting. The room is very fun and enjoyable. The room is very happy and cheerful. The room is very kind and gentle. The room is very loving and caring. The room is very helpful and supportive. The room is very understanding and empathetic. The room is very patient and tolerant. The room is very forgiving and merciful. The room is very generous and giving. The room is very kind and gentle. The room is very loving and caring. The room is very helpful and supportive. The room is very understanding and empathetic. The room is very patient and tolerant. The room is very forgiving and merciful. The room is very generous and giving.

C.

1. *Chlorophyll a* (Chl a) is the primary photosynthetic pigment in most plants and algae. It is a green pigment that absorbs light energy in the blue and red regions of the visible spectrum.

... 1997

may be further assisted with calomel & mercury at
later. after the disease has somewhat improved,
the common treatment.

I shall now speak of ulcers in a more
irregularity in weak constitutions, which
generally exist well at first; the granulations
form rapidly, and generally mix with a small
the true skin, with a healthy appearance.
but as the disease is protracted, for the gran-
ulations in a short time change their appear-
ance and become of a purple colour, and a
part of them are removed by ulceration,

The patient should then have a nourishing
diet, Peruvian Bark, Elixr Vinic, water
may be poured over the sore four or 5
minutes 3 or 4 times a day, a weak
solution of Lunor Caustic upon lint and
applied has proved useful, Citron ointment
has also been of service. Lint dipped in an
infusion of Oak galls, with Laudanum appli-
ed to the sore, have sometimes cured ulcers
which have resisted all other remedies.

We come next to speak of Indolent Ulcers

Indolent Ulcers

These



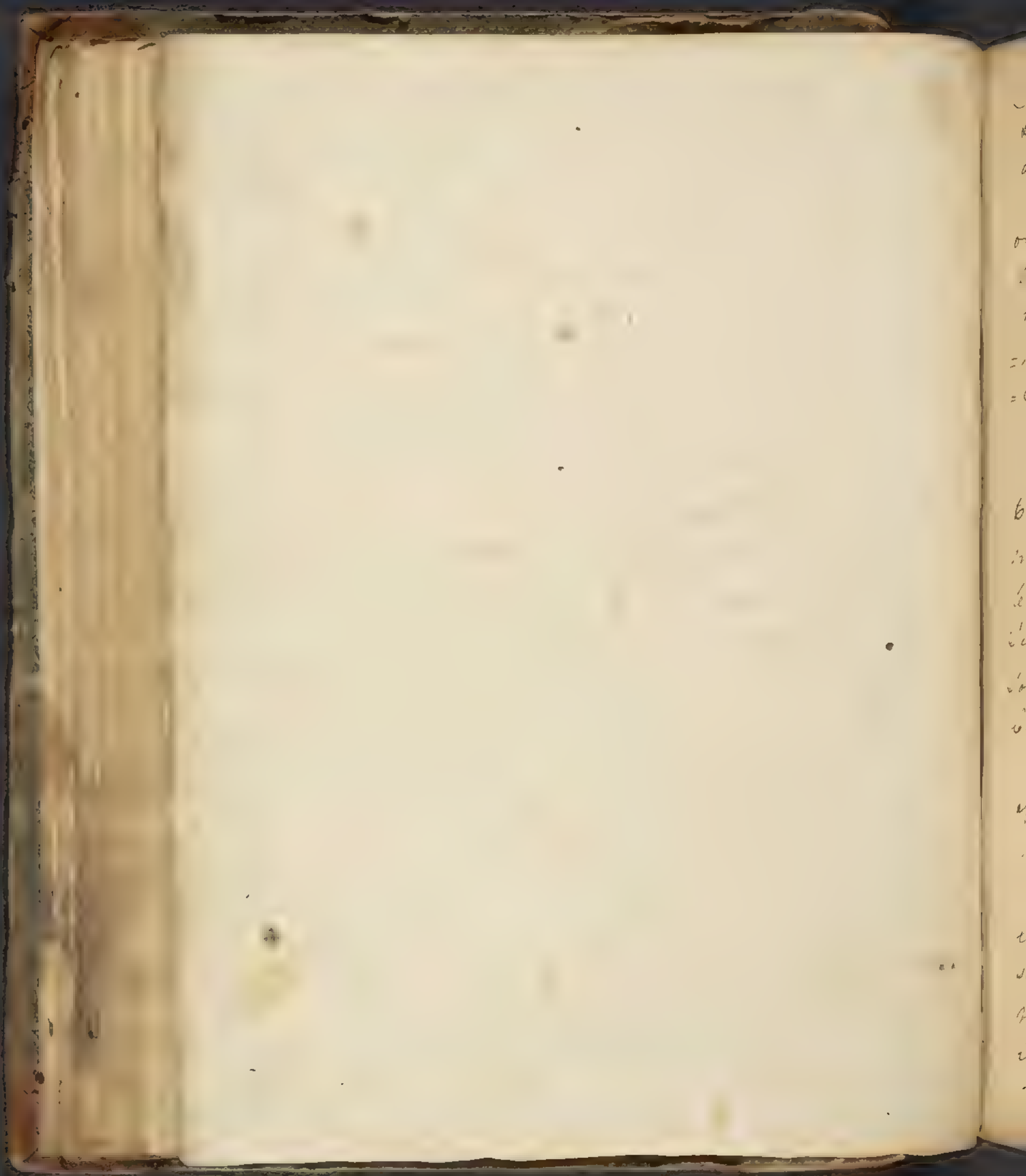
When Nature has been severely irritated
in her attempts to perform a cure, the parts
become indolent; have no disposition to form
a biacrix, and when the inflame is removed
the edges remain in a barous tumefied ring
in consequence of coagulable lymph not being
absorbed when the inflame is removed. (See notes)

Treatment The first thing to be done is to
remove the barous edges after the inflame has
subsided, and so change the irritation of the
sore to a simple ulcer. This may be done
either by the Knife or by Caustic, or it may
be done by the means of bandages & Preparation
Mr. Baynton says that in most cases the ad-
hesive plaster will mostly answer.

When the Caustic is applied we should perse-
vere in the use of it to the middle of the
sore, and some times over the whole surface
untill the ulcer gets on a healthy aspect,
taking care after it begins to heal not to
apply it too near the edges, or we shall by those
means destroy the granulations of the newly
forming biacrix and prevent the cure,
making the ulcer larger.

When this reads I shall speak of the use
of Mercury, This may be used in

Small



Small doses, for a considerable length of time
& if necessary the doses may be increased so
as to produce a gentle Purgative

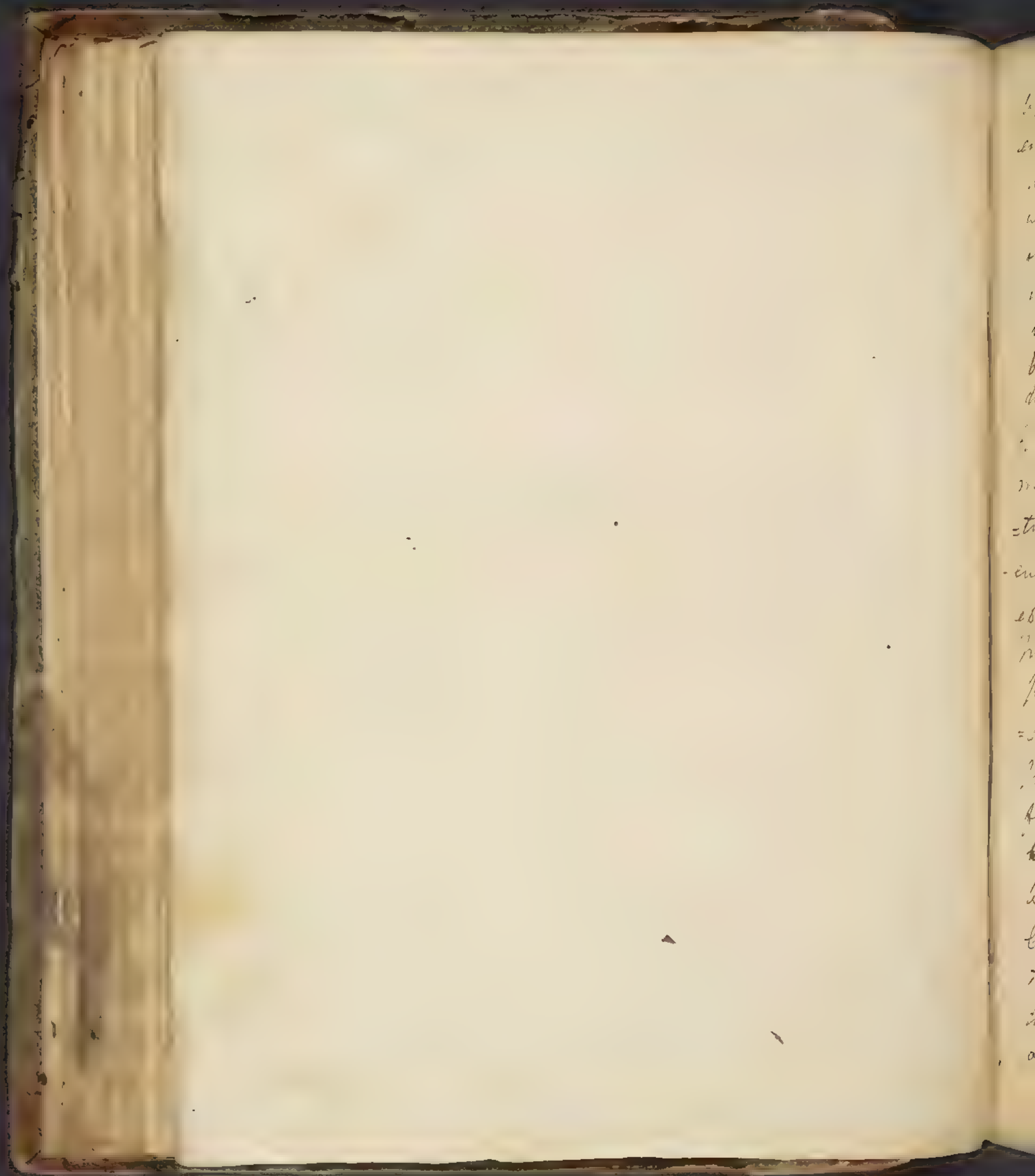
The Symplic of Cinnamon, is some times used
or we may apply a Solution of inner Caustic
to the part; or the Bone may be sprinkled with
red Precipitate; dressed with the Citron Oint-
ment. Gastric Juice, Muriacic or Nitro-
-ic acid oak galls &c -

Carious Ulcer

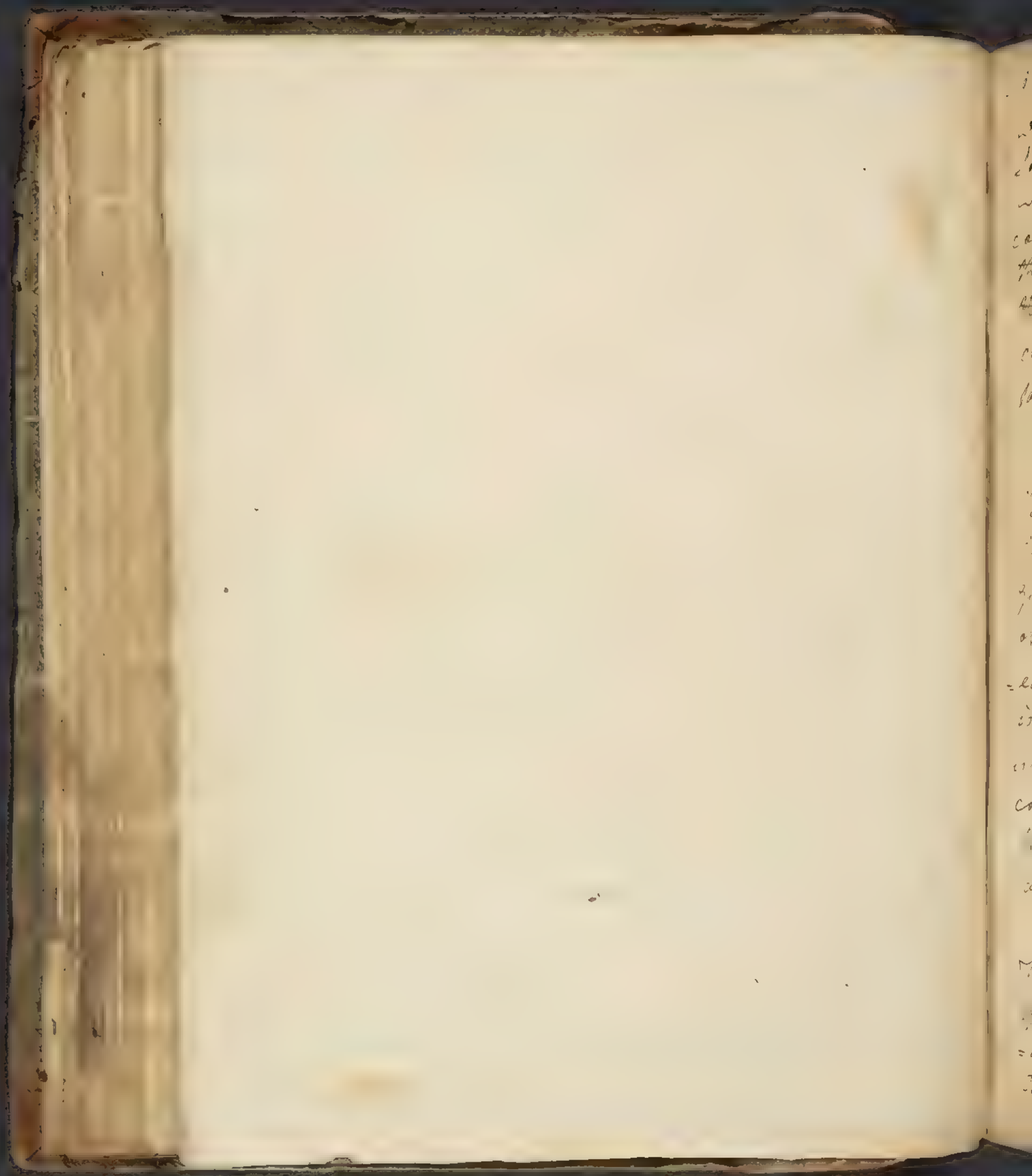
Caries in the bone is the same as Gangrene
in the flesh. Hence the dead parts of the
bone becomes a stimulus to the Absorbents to
separate the dead portion. Bell says that every
bone seated upon or communicating with a
carious bone is a carious Ulcer.

I don't intend to enter into a discussion
of the causes which produce an excitation of
the bones.

As soon as any portion of the bone becomes
loose, it ought to be immediately removed if pos-
sible but when the bone is seated in a cavity
not it is very difficult to ascertain whether it
is loose or not especially if the piece be
large: but this may however be ascertained
by



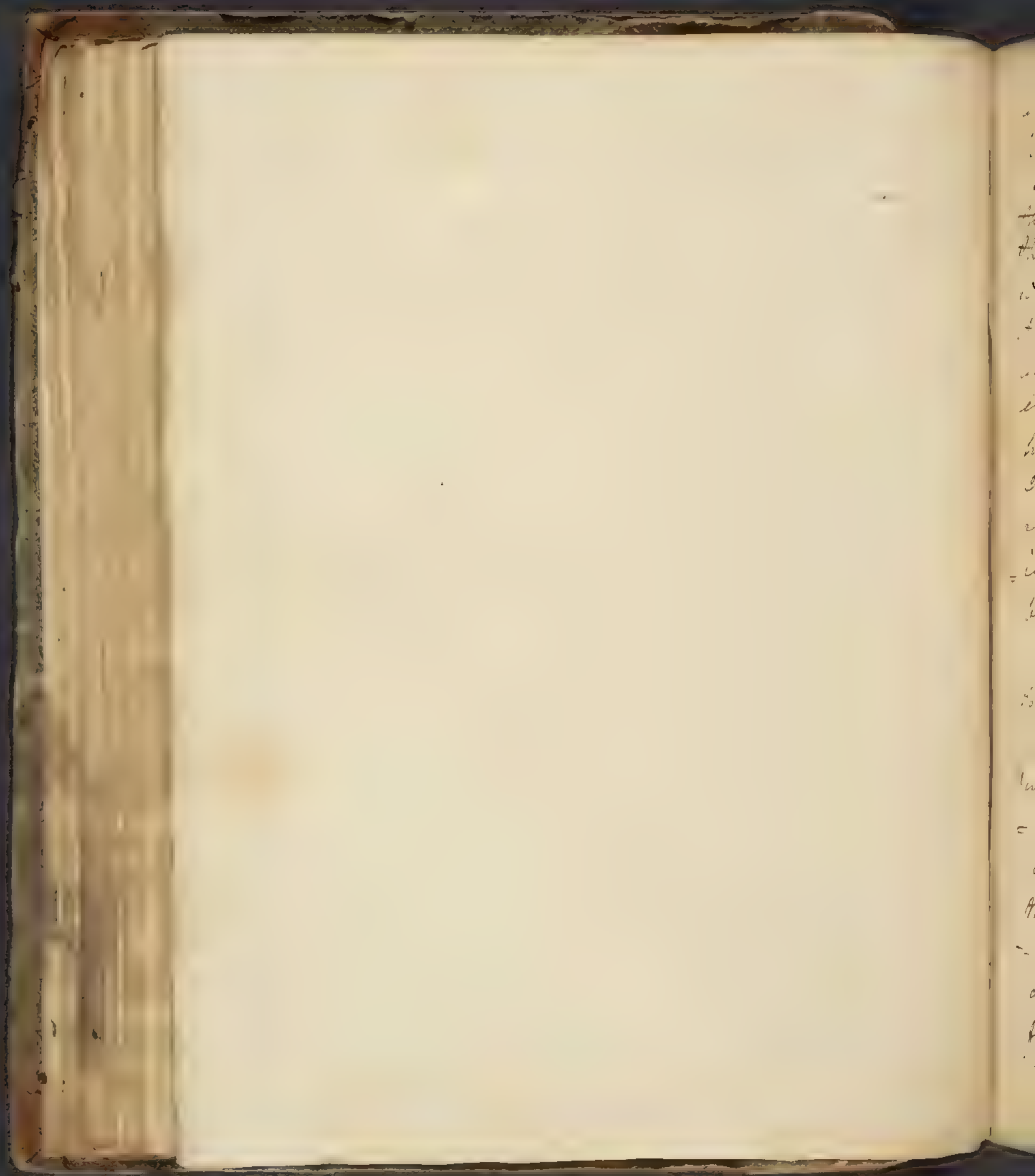
by introducing the probe, and it necessary
enlarging the orifice. and press upon the bone
when if it is adhering to the second bone no pain
will be felt, but if it be detached the pressure,
or even slight touching, will induce great pain
in consequence of the raw part being brushed
upon the new & tender granulations. If
blood follows, we may believe the dead portion
to be loose. If the bone be loose in order
to extract it, it will be frequently necessary to
make an incision down to it for the extrac-
tion of the loose portion. A sponge tent how-
ever after answers to dilate the orifice very
effectually. This should never be the case when
practicable to remove it, for granulations take
place. forming a substance nearly of the con-
sistence of bone around the dead part ~~and~~ it
prevents its removal. Some times the ex-
foliated piece is too large to admit of an incision
being made sufficiently large for its removal;
because if we divide the vessels in so hard and
callous a part it will be very difficult to take
them up. To avoid this danger, it is better
to break the bone by a pair of strong Nippers,
after wh the pieces can be readily extracted. I knew



I knew a case of corious ulcer of the lower jaw
which irritated the mapeter Mufles to contract
so that the mouth was kept closed, cortalises
was formed in the same manner, so that the jaw
could not be opened, occasioned by the callous of
the corious bone. The Surgeon not understanding
the cause, sent the Patient to this City to have it
dissected, supposing an adhesion of the parts had
taken place.

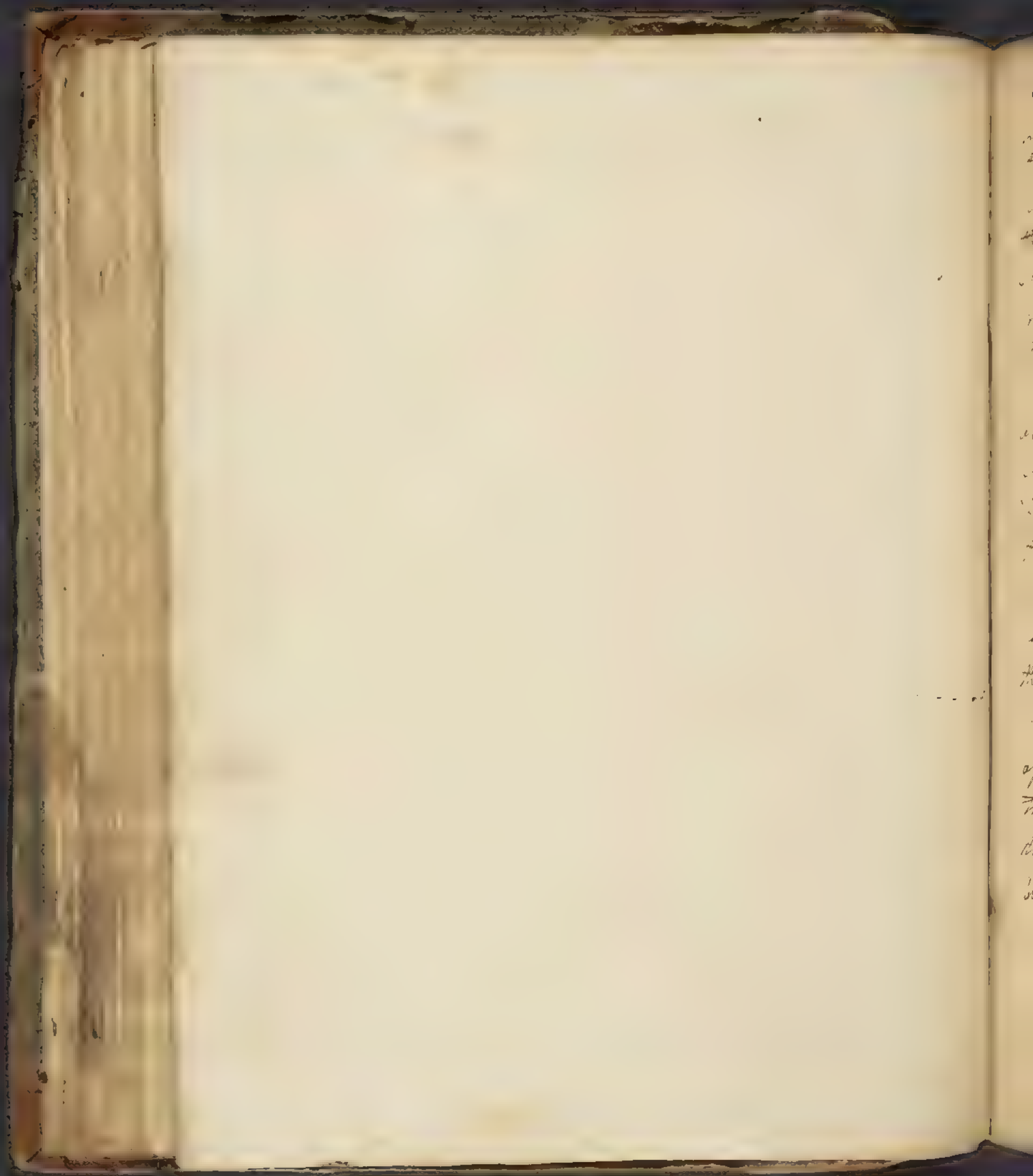
Varicous Ulcer. These are caused by
varicous veins & very much resemble Ulcers of
the indolent kind. The Venia Saphena most
generally becomes varicous, and prevents union
of the legs from healing. This may be often reme-
died by ^{light} anointment or exact flacking, but this
is necessary to be continued so long that the patient
is tempted to remove them off before the cure is
completed. This may be remedied by an operation,
performed by tying a ligature around the vein so
as to take off the superfluous of the callum or blood

and practice was revised of late years by Mr
Hunter and after used by Mr. Home, I shall re-
fer to the treatment, proposed by Home, I am recom-
mending the operation in recommending the patient to
stand on a Table on which is placed a chair



and lean over the back of it. The inner
part of his legs to the light. In this way the
vein will be completely distended with blood and
the arm will be in a convenient position for
the surgeon. But this can not always be done
while the patient is standing, for in this situation
it is difficult to get the right to fall on the part.
and the patient not knowing the secret as pain at-
tendant on it is mostly restful and discontented and
his tremors are so great as to embarrass the surgeon.
I therefore apply a Tourniquet on the thigh so
as to compress the vein without affecting the inter-
ior by any means the venous distension with
blood & the operation can be easily performed.

The vein may be tied up in the arm. In order
to do this the patient should be laid upon a table
while in this situation; the surgeon must pinch
the skin on one side of the vein, and an aspi-
rator on the other, and raises the skin transversely
across the vein, & then to be directed over
the vein with a lancet, and will suc-
cessfully expose the vein. Some times a thin fascia
appears in this case the vein has to be disengaged
from it. after this a Crooked Silver needle with
a blunt point is to be armed with a ligature &
hooked



when making the skin, and the patient placed
in a horizontal position before the skin is cut
to free it from all the blood. I apply a small
piece of bladder over the skin directly under
the first formed by the signature, so that when the
edges of the skin have united the signature
may be cut away without injuring the skin.
The compound should be about the size of a quill

In common the signature may be cut away
about the sixth day. The signature will gener-
ally come away from the 7th to the 12th day, but
it is not necessary it should remain so long. After
the signature is secured the edges of the wound
may be brought together by adhesive plaster
and a dressing of oil applied to the skin on
the ... above & below the signature.

If the bone between the fingers both branches
as it must be secured. Some times both
thumbs as the skin is affected and require
to be tied, but it will not be necessary to tie
both when one only is affected.



In 8th Ulcers & Micers, are caused by
local or constitutional circumstances and con-
tinued by a morbid diseased action, as in lym-
phatic ulcers, cancerous, syphilitic &c

These may be remedied in 2 ways. The first
if an entire local may be cured by cutting
the diseased part out with a knife, but if one
piece is left after the operation as in lym-
phatic cancerous &c, the best plan is a sin-
gle, and require the frequent use of caustic

2. Then the continuation of the Ulcer depends
on any constitutional injury, that injury must
be removed before the Ulcer can be cured.

Lecture 8th

On Fractures.

Fractures may be total or
partial, complete or incomplete, of a bone, or of a
joint, or of the entire bone. but the most com-
mon is the case because the tibia is some-
times fractured in consequence of this is a
contraction alone, and the humerus is some-
times



the fracture in the same way. The bone
must first be fractured in frosty weather, not
that the frost enters the substance of the bone
but it is about it in a right line in the muscles so
light falls in cold weather produce fractures,
but on other circumstance, viz. the contraction
of the muscles, easily contributes to this end, for
instance when we grab a lever ^{the} the muscles
contract with vehemence, and a sudden slip
or fall occasions them to act with greater force,
frequently producing fracture. This is more
frequent in laboring persons who lie on their backs
in their sleep, in falling or falling all is over
is a great relaxation of their muscles.

When a bone is broken oblique the is, not
^{hair} and this is increased when the least motion of
the parts in which the injury is done, occasioned
by the sharp edges of the fracture. Extension over-
-ing the soft parts & causing considerable action of
the muscles; and when cured the limb is ne-
cessarily shorter than the other & being one end
of the bone passing over the other by the contrac-
tion of the muscles drawing the lower extremity up.

The limb at the fracture remains in a state of flex-
ion and a grating noise is perceived when such
motion



motion, attended as before observed with much
pain, and the limb is often distorted.

Fractures are either Simple or Compound.
A Simple Fracture is when the bone only is
broken without any external communication

A Compound Fracture is when there is a
division of the ~~bone~~ ^{soft} parts surrounding both
parts so as to admit of an external communi-
cation with the cavity of the fracture but if the
external communication is small it frequently heals
by the first intention, and since the fracture is
a simple one, and has been termed a compound
imperfect fracture.

Treatment. In the treatment of a simple
fracture of the extremities, the limbs should be
placed in a state of relaxation, and the ends
of the bones brought to their exact natural po-
sition. In general the comminution above
mentioned occurs, when the limb is reduced.

In reducing the bone the limb should be placed
in such a position as to favor the relaxation of as
many muscles as possible and by this means
the reduction is in general easily effected, but
when it can not be accomplished by the
ordinary means the patient may be laid on
a cushion

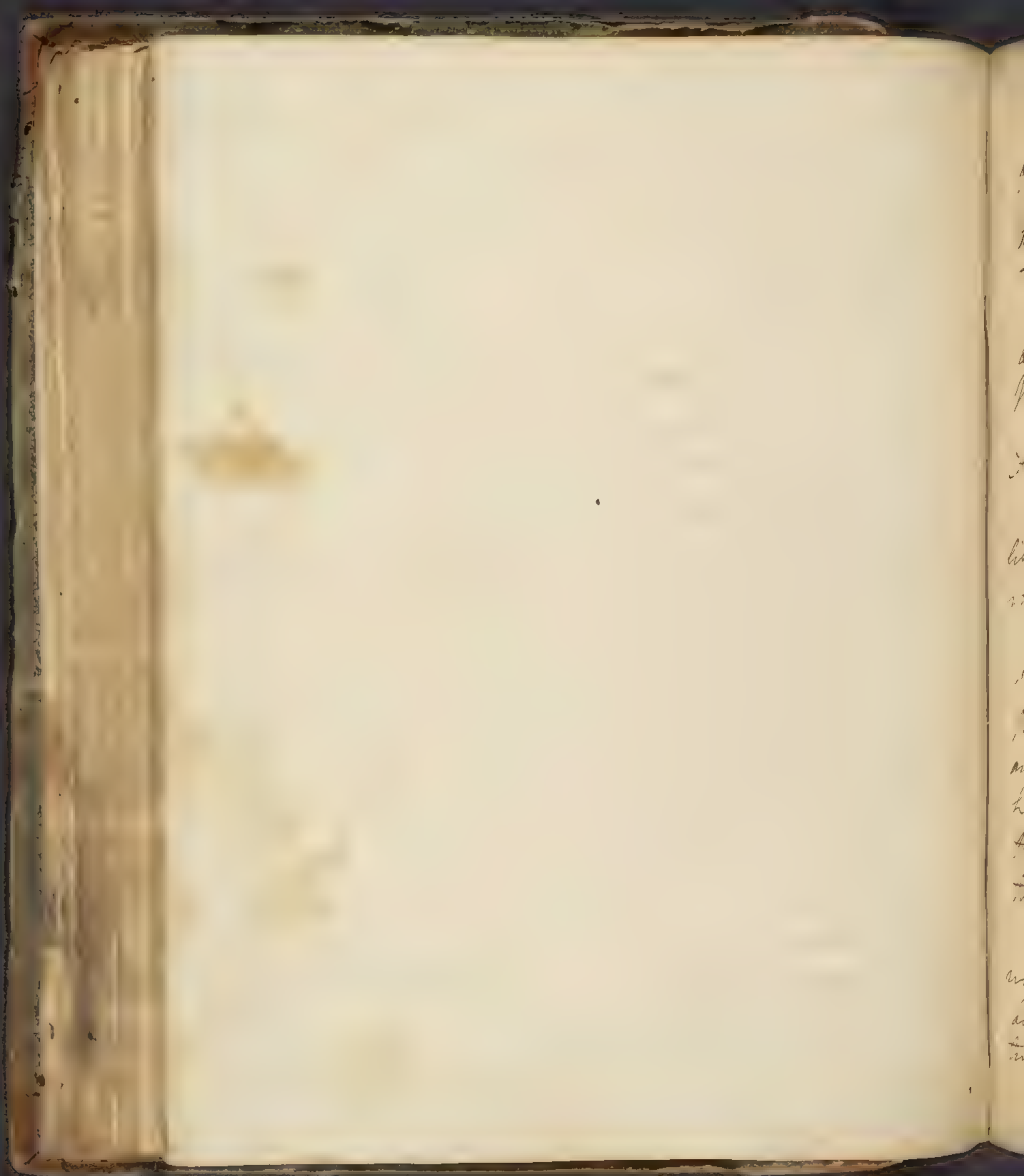
x am while in that situation receive the sentence,

1
L

Ulinium Animi & this is done necessary,
but I have been obliged in many cases to bleed
my patients to great extent.

If inflammation supervene it should be removed by bleed-
ing and the anti-phlogistic regimen. To reduce
the inflammation is indispensable to curing
because the cost will disturb the patient
when he ought to be at rest, it is generally
sufficient to keep the bowels open. The limb
should be kept in its position by means of
pincers & bandages; and a truss or one of
inflammation kept up. Splints are best from sub-
stances and are of paper with linen, wood,
leather, wire, cane & paste board, of these
the cost is moderate, because they can be
moulded to any figure, by setting it in hot
water & waiting it is hard, and when
it becomes dry it maintains its figure.

"Care very often not called to the acci-
dent till several days after it happens, and
a considerable degree of swelling & inflam-
mation taken place, This should be removed
before we attempt the reduction of the
limb. by bleeding, use diet, and the applica-
tion of sea water punctures, in which case
the inflammation will be present.



It is some time & it is better to examine
the parts at the end of 8 or 10 days after
first dressing. If any displacement has taken
place and an alteration be necessary, it can
then be easily made, the new substance being
then quite soft & pliable.

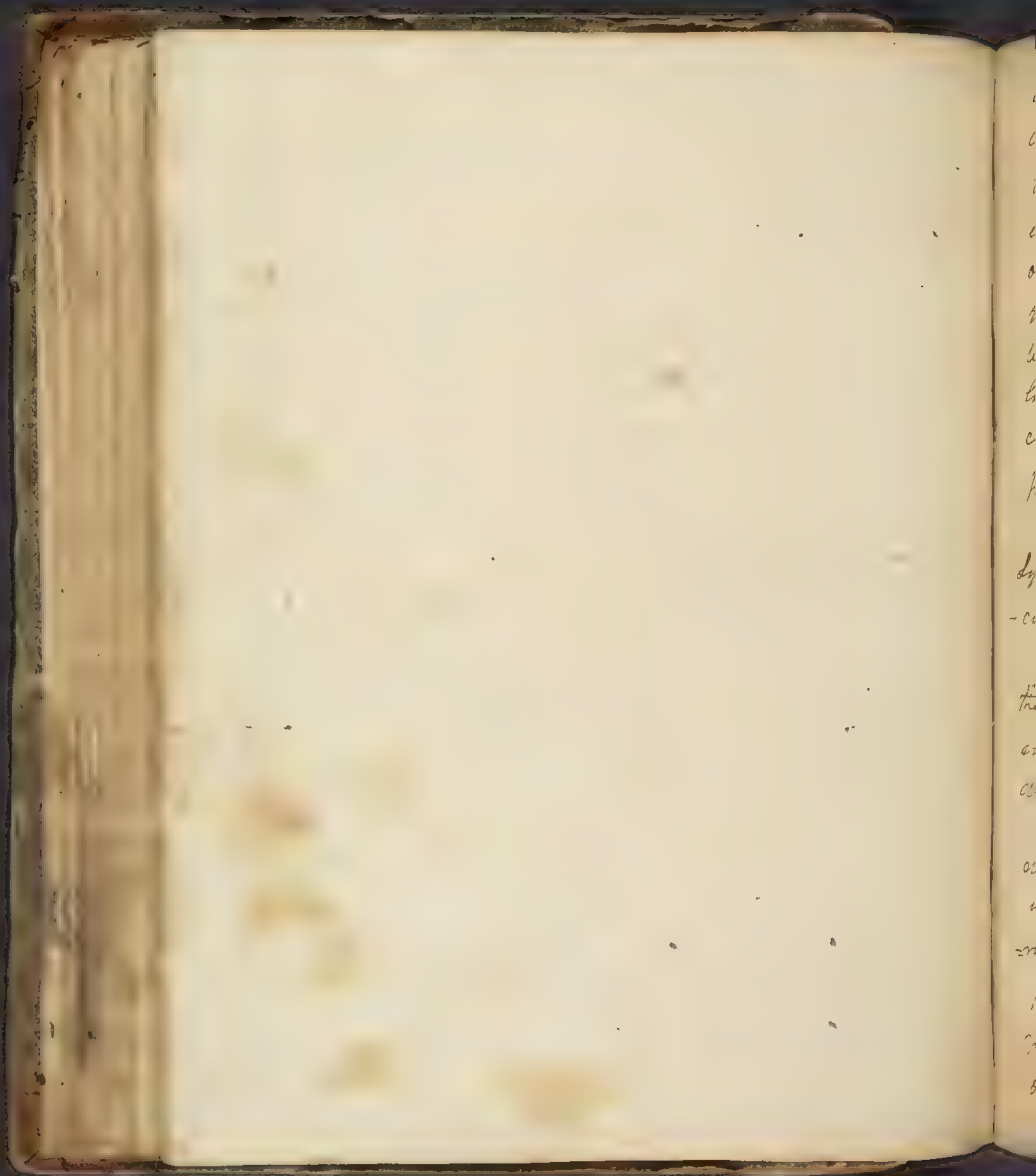
The patient should be kept to a low diet &
and submit to evacuations by blood-letting, in
proportion to the inflammatory symptoms.

If the patient's constitution be weak it
may not be necessary to evacuate at all.

The dressings at first should be fairly all
ied or else if the limb swell the circulation
may be staid & so produce mortification.

The time necessary for an union of the
bone varies, by the age constitution and
place of fracturing, likewise upon the size
and situation of the bone, The bones of young
^{people} heal sooner than those of old, fractures of
the jaw or ribs heal sooner than those of
the femur.

The bone in some constitutions does not
unite at all firmly, but forms a kind of joint
and in fact the ends of the bones are some
times tipped with cartilage, and have an
joint

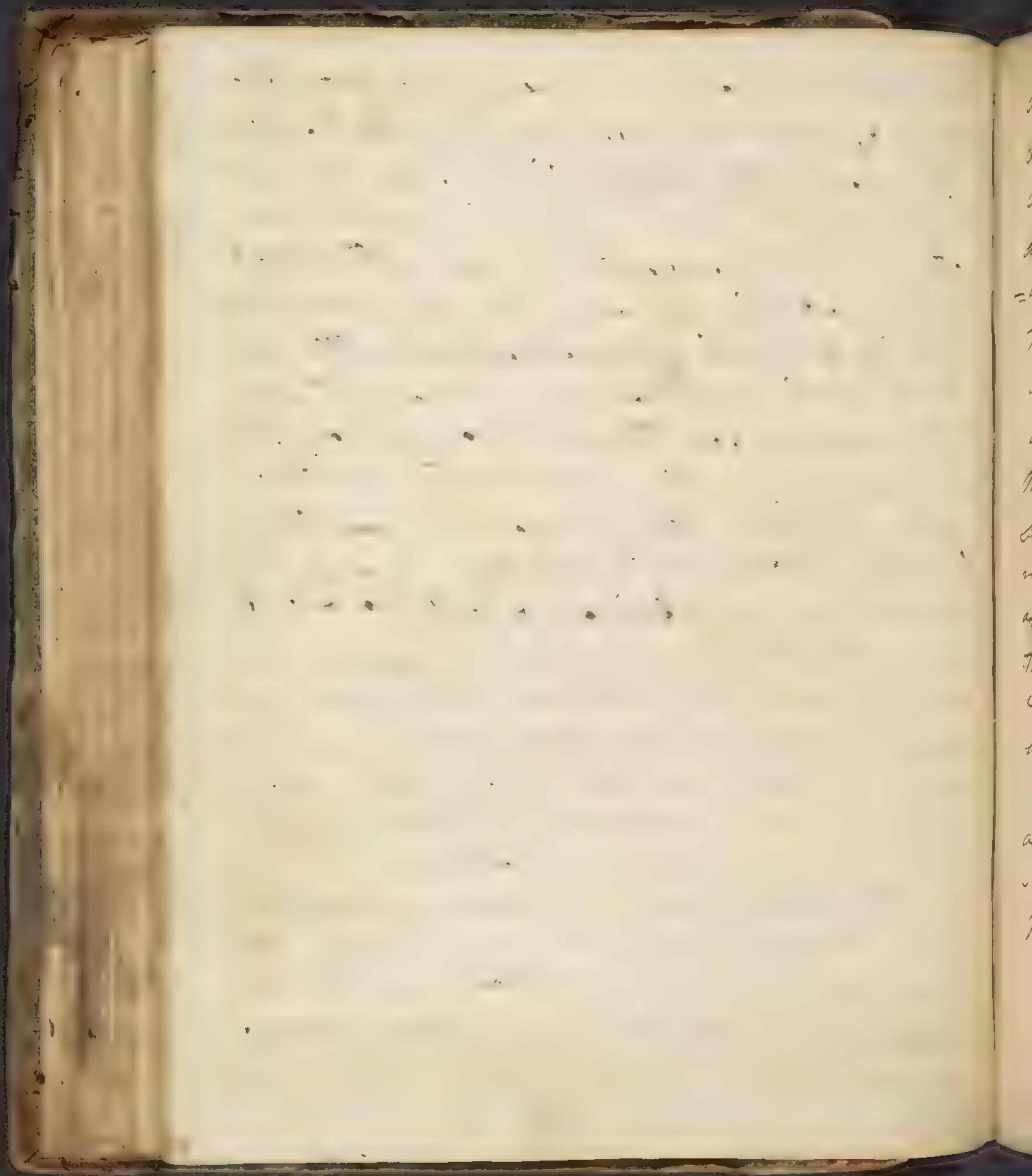


and have a sort of capsule or ligament, two cases of this kind were cured in the Hospital by moving the broken limbs so that the extremities of the bone might rub against each other; This was effected by causing the patient to support himself on crutches, and moving about bearing as much weight as possible on the injured limb, the irritation seems to cause the process necessary for the formation of Bone, this process very much accelerates the Union.

The adhesive inflⁿ is produced coagulating lymph is thrown out, wh^{ch} soon becomes vascular, then cartilaginous, & lastly bone itself

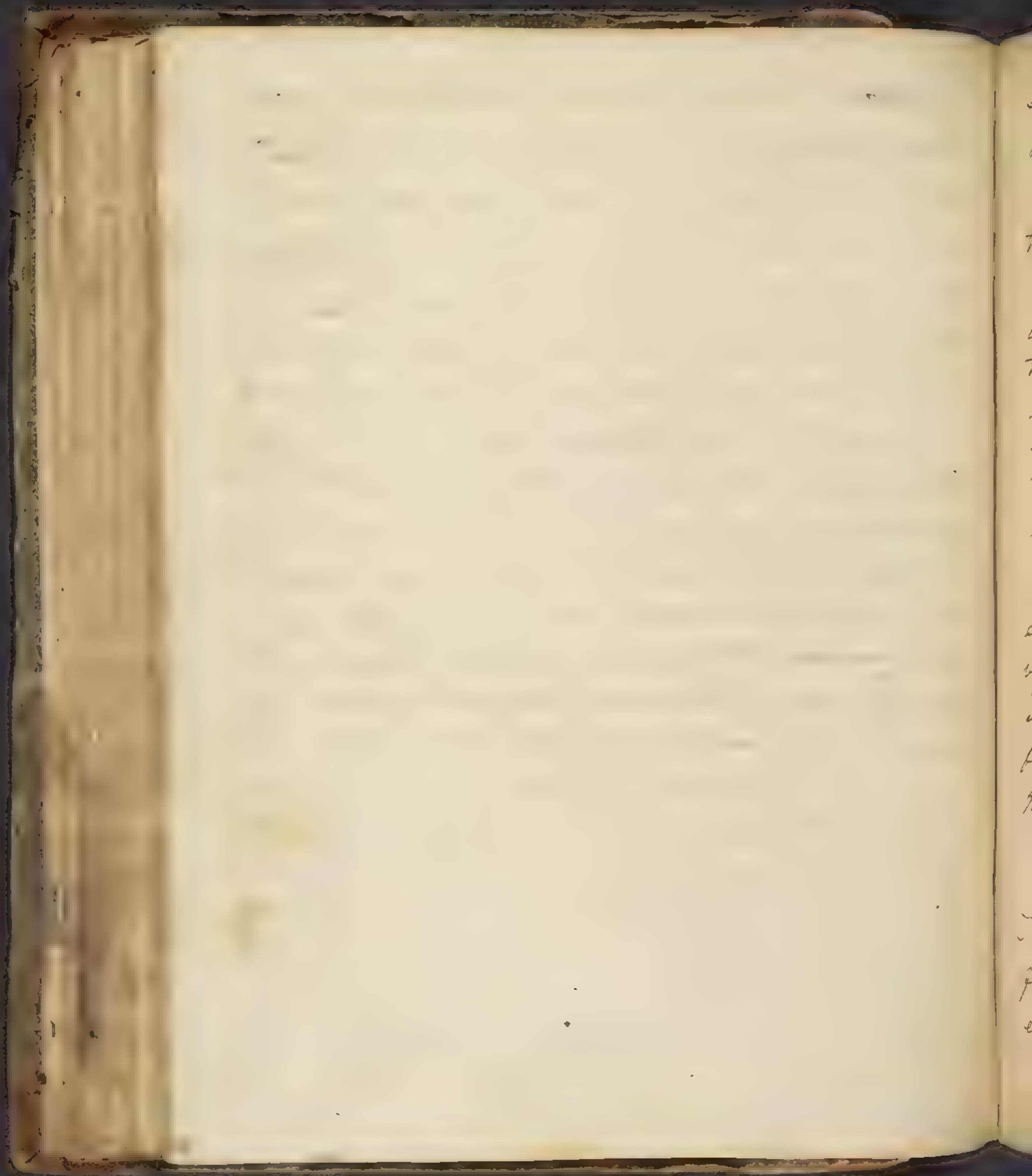
Mr Hunter used to tell us in his lectures when the bone will not unite we should make an incision down to the bone, in such cases, but does not tell us of ever knowing such a case.

It has been recommended to make an incision down to the bone & imitate the fracture as in the same manner as recommended in wounds of the joints, but this is a very dubious, painful & terrifying operation, & can not be recommended in all cases; as in fractures of the leg or fore arm. I would rather advise to pass
a



a seaton between the fractured ends of the bone which is a much simpler method attended with much less inflammation & pain and can readily be performed in any situation. I have performed the operation in this manner with very good success. It was done by passing a needle armed with a thread of Silk between the divided ends of the bone, this by irritating the part caused suppuration & inflammation with granulations; and in 12 weeks time the patient complained of much more pain in bending the arm at that place, these granulations soon united leaving only the small hole of the seton which healed in a few days after it was removed.

In all cases it should be kept open for a long time, for it appears to me that the soft parts around the bone require to become firm.



Simple fractures usually unite by the first intention.

Union of Bone requires more time than the union of fleshy parts.

The coagulable Lymph first becoming vascular, then corticaceous and then bone. In this way the substance called callous is formed wh being of a larger Diameter forms a Tumor round the bone at that place. but it generally diminishes becoming less & less till it differs but little from the bone it self.

At the first the granulations are full of vessels. If the wound be simply inflamed, Union by the first intention fails. Inflammation & granulations supervene, and the granulations are found to be vascular only at the extreme point the other parts being of the nature of bone.

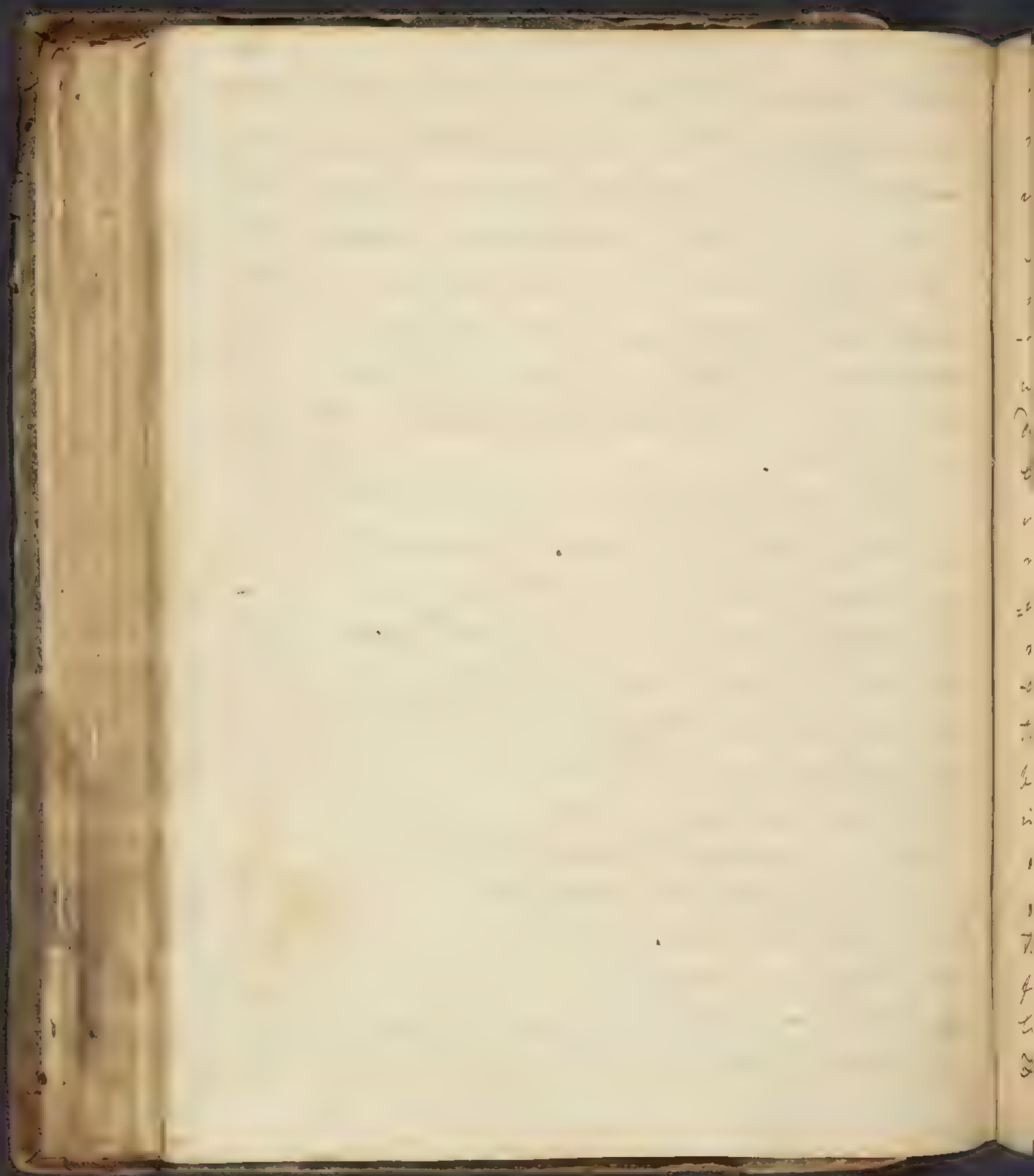
Compound Fractures

The first bond of union is lost in compound fractures as the blood wh effects that union escapes thro the external orifice.

Compound fractures some times hatche

of the nature of Simile incision, but much oft-
ener however, they are punctured lacerated or
contused, the fractured ends of the bones being
so blunt as to tear the soft parts, & some of the
soft parts are very much bruised, and the bone
broken into several pieces by the mechanic-
al force applied, as when a man has been run
over by a carriage or any heavy body fall-
ing on it.

Fractures may be transverse, oblique,
comminuted, or mixed. Compound fract-
ures are attended some times with profuse
hemorrhage. When much blood issues from
the wound we should apply a tourniquet on
the principal artery; when the blood is thus
stopped we should next determine whether
the limb can be saved or not. If it is
so torn & mangled that the circulation can-
not go on to the extremity, amputation
must be performed. This may be done im-
mediately or you may wait till the soft
parts slough & then amputate the bone. If
amputation be necessary I should prefer it im-



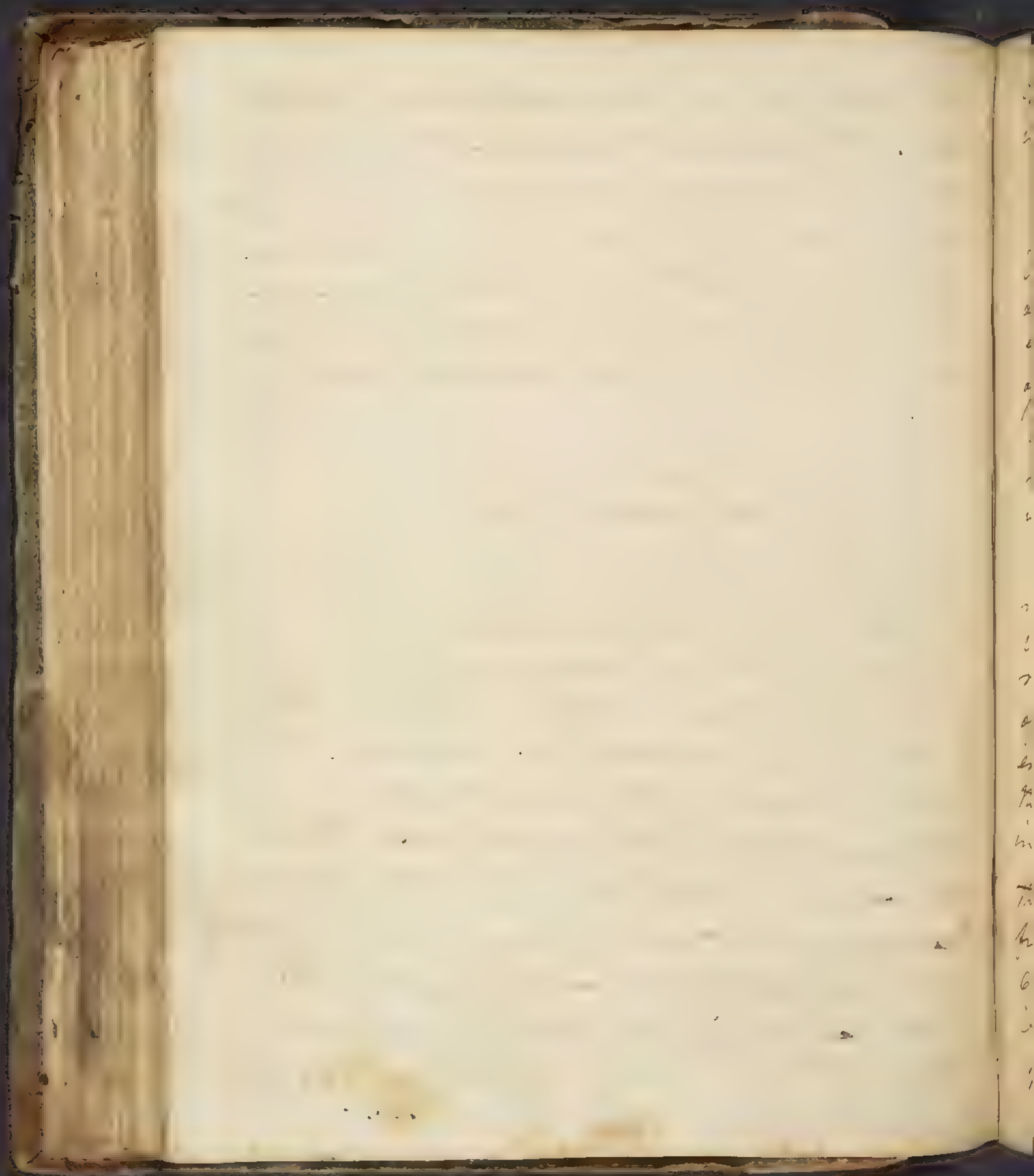
immediately as we some times by that
means prevent tetanus likewise the patient
is more willing at first time to submit to it
In amputation some times considerable
hemorrhage takes place from the medulla-
ry vessels. Dr. Isaac mentions a case in
wh the stream of blood flowing from the me-
dullary artery in the tibia was as large as a
crow's quill, and as it run in a bony canal
in the tibia he proposed to make two perforations
near the end of the bone with a small treph-
-ine, wh was agreed to and the artery by this
means laid bare and secured by a ligature
or pressure. But I have found in ampu-
tations of the medullary arteries the bleeding
blood effectually stopped by a cedar leaf, put
in by the side of the artery is as it were the
surface completely together, and left so for 8
or 10 days, until an union of the sides had
taken place. If the bleeding take place
from any part of a compound fracture in the
leg & can not be stopped by other means, the
Genoral artery must be taken up. When
the



the issue is great it demands our attention for if it be suffered to run on to the suppurative stage, the patient will be greatly weakened by the discharge of matter, his constitution becomes emaciated, and hectic fever ensues. When the discharge is very copious and hectic fever has taken place amputation is advisable.

Lecture 9th

Fractures, continued In compound fractures we should endeavor to remove the splintered portions of bone, (when they can be discovered) if it can be readily accomplished; but if the vessels are attached so as to occasion much pain in extracting them we must omit it, till the process of exfoliation is completely taken place. It sometimes happens that the external communication is very small, so that the blood coagulates in the orifice, and, by drying it up, and renders the cavity perfect so that the bone unites as in simple fracture. But if



if through too much applications of ~~the dressing~~
with a view to a put nature . . .

The surgeon should be very careful to wash
out the coagulum. The fracture would be render-
ed a compound one. and go through the process
of suppuration & granulating. If the external
orifice be very small a portion of dry lint
may be bound on it wh will become wet
with the blood then dry & form a scale,
after the bones are reduced when the ends are
not splinted, the edges of the wound should
be brought into contact and secured by
means of adhesive plaster. I had a case
of compound fracture of the Fibia where the
ends of the bone had made their way through
the cutaneous parts. The incision was an
inch & a half in length. not with standing by
this means, it was reduced to the state of a simple
fracture and the patient got well in about
6 weeks. If the inflⁿ runs too high
it may terminate in Mortification. To
prevent this we should bleed in a ^{high} ~~high~~ ^{place} ~~place~~



bread & milk poultices - The bleeding should be according to the indication . . .

Some surgeons are fearful of large evacuations at first on account of the copious discharge that takes place, fearing they shall reduce the patients system too much, not recollecting that the inflⁿ wh^{ch} precedes it is the cause of the discharge of matter.

But it is necessary to distinguish between mortification caused by inflⁿ & that which proceeds from weakness. If it be occasioned by weakness, Opium, Bark, wine, &c should be given, but if mortification be brought on by inflⁿ in compound fractures apply a blister. It will here be necessary to distinguish between that mortification wh^{ch} is produced by the parts being killed in consequence of the violence applied, and that wh^{ch} is the effect of ^{the} inflⁿ induced by the violence, as the parts in the first case having lost their life must ^{necessarily} ~~rationally~~ slough.

Bones can not bear a great deal of inflⁿ without losing their life.



Of particular Bones, and first of the bones
of the Nose. These bones tho not so frequently
as others are nevertheless some times broken

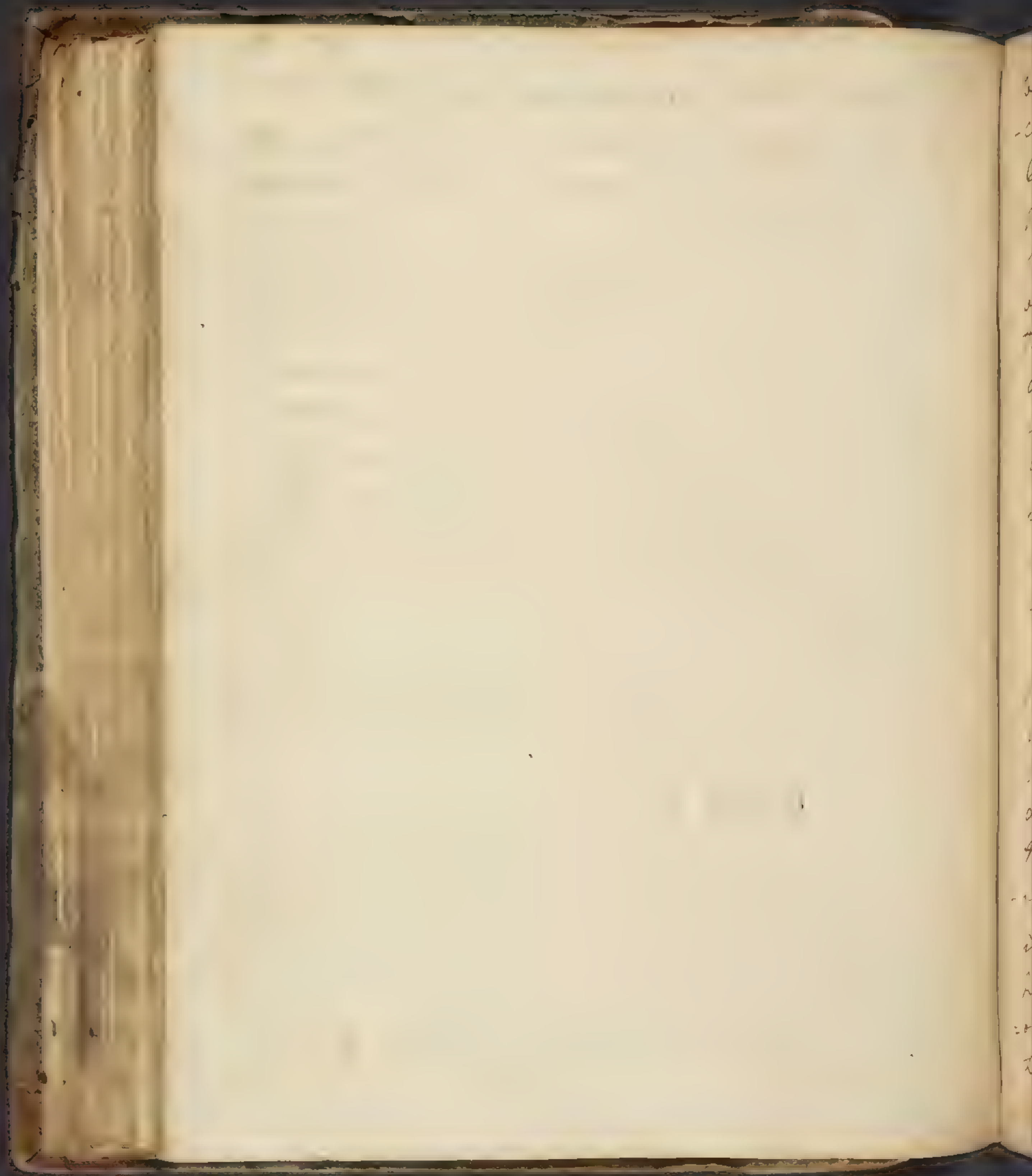
Some times the fragments are pushed into the
Nose, with occasional difficulty of breathing

When in this manner they may be retained
by introducing an armed Pistula, or some
thing of that kind into the nostril, & when re-
duced it may be retained in its place by a
gum elastic catheter if necessary. If they pro-
ject outwards, they may be retained in place
by applying a compress; or after they are re-
duced they may be kept in place by strips of
Adhesive plaster. If the soft parts are injured apply
a Bread and Milk poultice.

Of the Lower Jaw.

Fractures of the Lower Jaw Some times
occur at the Symphysis but most commonly
at the Sides & at one side only. So some times
they happen in both at once. They occur
most commonly between the Coronal & Proccid.

The coronal process are seldom ever broken
be



because they are so well defended ~~with~~ by Mus-
cles & I never saw but one fracture of the
Condyle. We can easily tell when it is broken
tho, the fragments be ever so little displaced,
by rubbing the fingers along the bone, it will
occasion pain; and the patient cannot press
the jaw against the other. When the fragments
are displaced, it is easily discovered by looking
into the mouth and examining the rows of teeth
which are uneven. When the fracture is on both
sides, the Digastric Muscles will draw down the
symphysis, while the Temporal Muscles draw the
angular parts upwards,

Treatment. Some Surgeons advise pieces of
paste board to be applied on the jaw to keep it
in its place, but the upper jaw is the best
plint to which the lower jaw can be fixed with
a roller, applying the teeth directly together, joining
the rows exactly over each other and contin-
ing the jaws by a roller. The bandage which
is mostly advised is one with four heads ap-
plying the body of the bandage over the anterior
or inferior part of the cranium, then crossing the
heads upwards directly over the top of the head

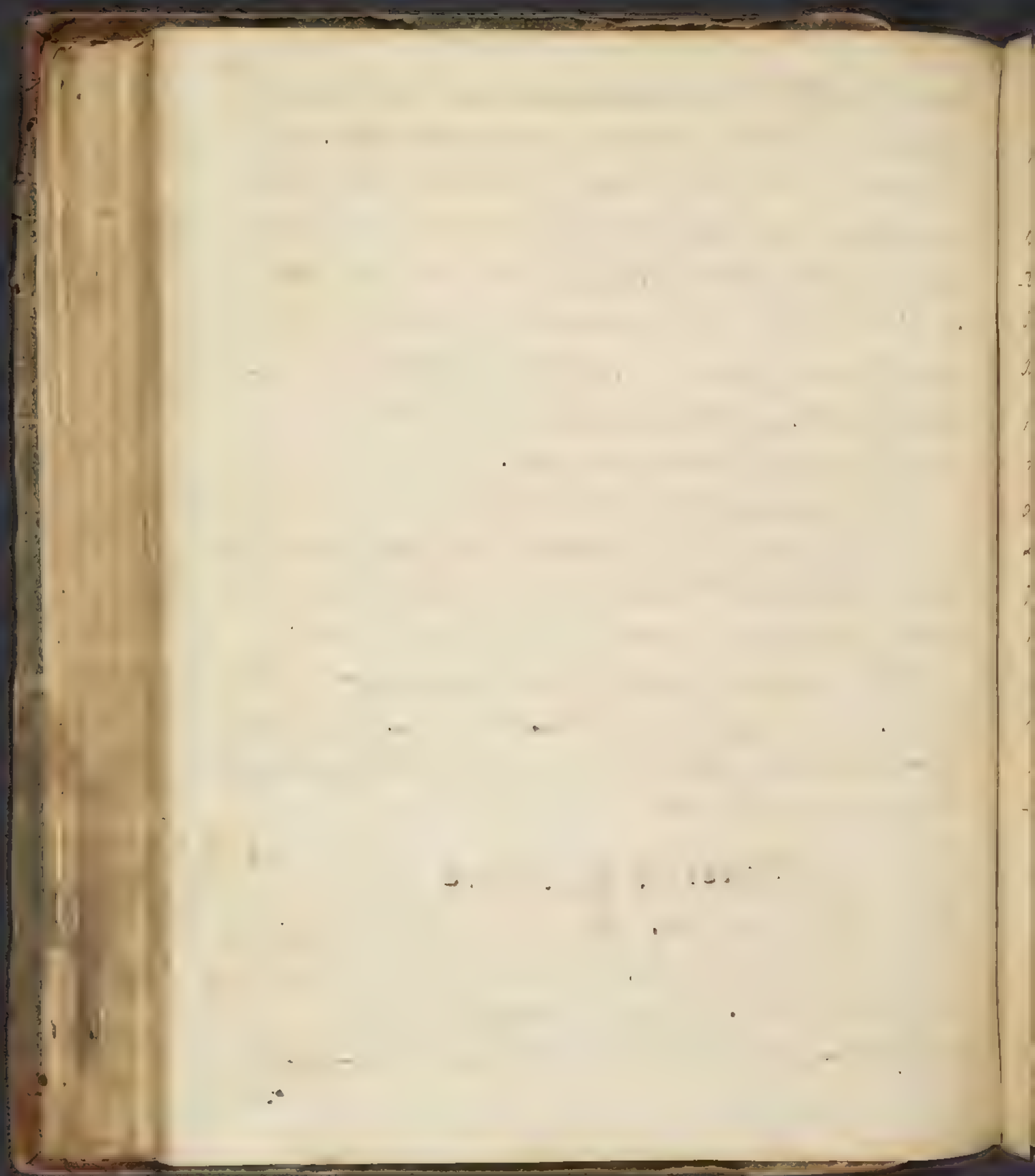


and the other two heads from the anterior part around the Occiput & fore head alternately, but I prefer a Simple roller it will answer every purpose. The patient should be kept upon liquid aliment & forbidden all conversation or speaking, & he should not move his jaw for several days. The dressing should be continued for three weeks but when time and union will take place.

It frequently happens that the teeth are loose and under this circumstance authors have advised to extract them, but this should not be done on any account, as there is danger by this means of making a compound fracture. Compound fractures of the lower jaw are mostly accompanied with death of the ends of the bone.

Bones of the Spine

When the process of the spine only are injured the consequences to be apprehended are not serious. But when the spine is wounded there is always an extravasation of blood



from the vessels of that place, and extravasation
takes place upon the spinal marrow. Some have
advised to make an incision down to the bone
to discharge the effusion, but as it is very uncer-
tain whether it be posterior or anterior to the
spine, (& if the latter it can not be of any use) I
should not advise it. When the injury takes
place in the neck above the third vertebra, and it
most commonly does, the patient generally
dies about the third day, a paralysis of the lower
limbs comes on, & likewise of the bladder, so that
the patient can not void urine, nor scarcely breathe
& breathes with much difficulty. As it is only
the Diaphragm which carries on respiration, the pa-
tient should never be laid on his face to examine
the spine or for any purpose as thereby the pres-
sure at the abdomen, would force up the abdom-
inal viscera upwards, and prevent the descent
of the Diaphragm. If the injury happens low-
er down the patient may survive a longer
time but I never knew a case of this kind
from which the patient recovered. The patient
is compelled to lie on his back and the limbs
on



and the patient lies motionless

Fractures happen in different parts of the spine. These most frequently occur in the Neck, next in the Loins but rarely in the Back. When the Cervical Vertebrae are fractured above the seventh Nerve root it is the immediate consequence, but when below it is not so immediately fatal. But a paralysis of the whole parts below the injury takes place. There are cases where the injury is less severe, in which the patient lives 5 or 6 months.

When the spine is fractured there is always a dislocation and the spinal marrow is compressed. The discharge of blood &c. is poured in from the wound, upon the spinal marrow. This compresses the spine, & hence the paralysis. Some pieces of bone are turned in upon the spinal marrow. I mention this to let you know the delicate situation of your patient. For I have never known a case where the spine was fractured to get well, but the process may be broken without any immediate injury to the patient. There is now a case in the Penn^a Hospital



Attempts have been made to extend the spine & bring the fractured parts into contact. This is seldom of any use, yet for the satisfaction of the friends or the patient, we may put it to trial. If the injury is in the neck, the extension may be effected by passing two bandages around the head, one from under the chin over the top of the head, the other from the occiput around the fore part and secure them together, an instrument is then passed, being excavated where it rests on the shoulders, and raising a screen at the top, and a hole in the piece directly under the screen, to admit the ends of the bandages. In this manner the extension is made against the shoulders (previously having put a pad upon each) by stretching the bandage in consequence of turning the screen above.

Another method is to move the patient's head to one end of the bed with a leather strap while the feet are tied to the other end of the bed; & in this way extension is kept up.

Having a hole in the bed opposite the anus for a convenience. Once made the attempt at the P. M. Hospital, In about 2 hours I was much pleased with the experiment, as he regained the use of his arms which were before
(turn one page forward)



Lecture 10th

Bones of the Pelvis

The bones of the pelvis are very seldom fractured owing to their great strength, the I once saw the Dorsum of the Ilium fractured.

The Patient can not stand up, suffers great pain, conveying a sensation as if he should fall to pieces upon motion as the part is crushed may be perceived.

Treatment all that can be done is to keep the Patient at rest, apply the simple bandages around the pelvis & bleed if the symptoms require, but purges should be most positively objected to, because the situation of the Patient will not allow the motion without injury, which would inevitably ensue from the exhibition of purges. I once saw a case of the Separation of the Symphysis Pubis, in which the broad Bandage is all that can be done. Union generally takes place in 4 or 6 weeks.

Fractured



before paralytic, but he died on the third day
as is usual in such cases. He appeared to die
in consequence of Mucus collected in the Tra-
chea & obstructing respiration, arising to the
weakness of the expiring force -

... could naturally turn your pati-
-ent on his belly to examine the spine, I once
did it but keeping my eye on the patient, I
soon found that he appeared to be suffocating &
I immediately turned him back. It is not safe
to do more than turn him on the side, and
in this situation you will examine him
very well.

There is generally a difficulty of passing
Fæces, & a total suppression of urine, in this
case the Intestines should be kept open, & the
Urine drawn off by the common Catheter, or
what is more convenient the flexible Catheter,
wh. should remain in the Urethra, and the end
of it be staked with a cork, and by this
means the nurse can empty the Bladder at
any time. There is some times an involun-
-tary discharge of Fæces, but I never knew
an involuntary discharge of Urine -

There is great danger that the ^{left} heart or
wh



wh the patient lies well down, i. e. the chest should be draped with Plicking plaster.

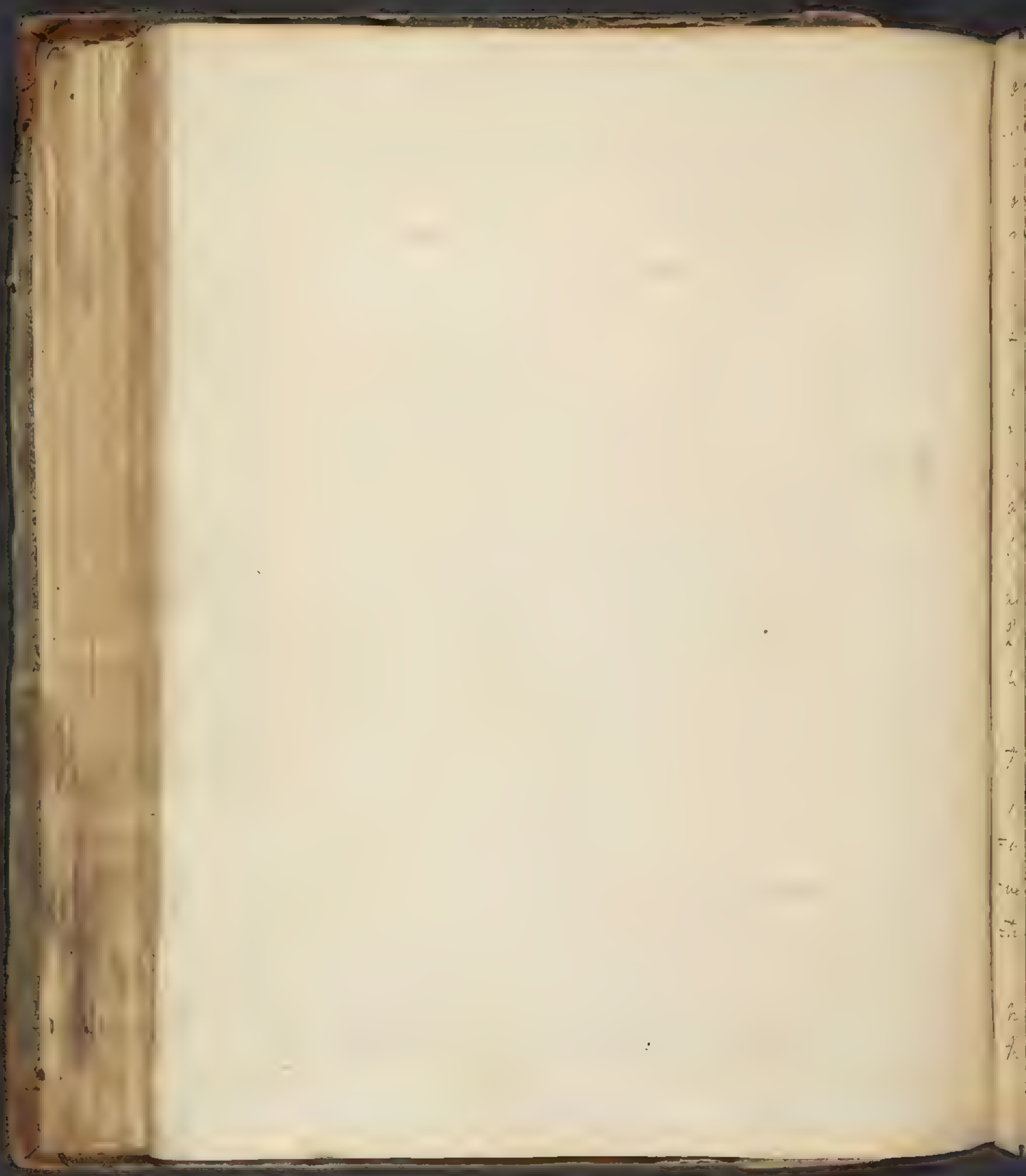
No lasting cure can be expected. There is always a loss of sensation & motion below the fracture —

Fractured Ribs

The Rib is not seldom fractured individually, some times 1 or 2 are fractured at once.

The most common cause of fractures of the Ribs, are falls, or Substances falling on us. I have seen many from the falling of Maps of Dist.

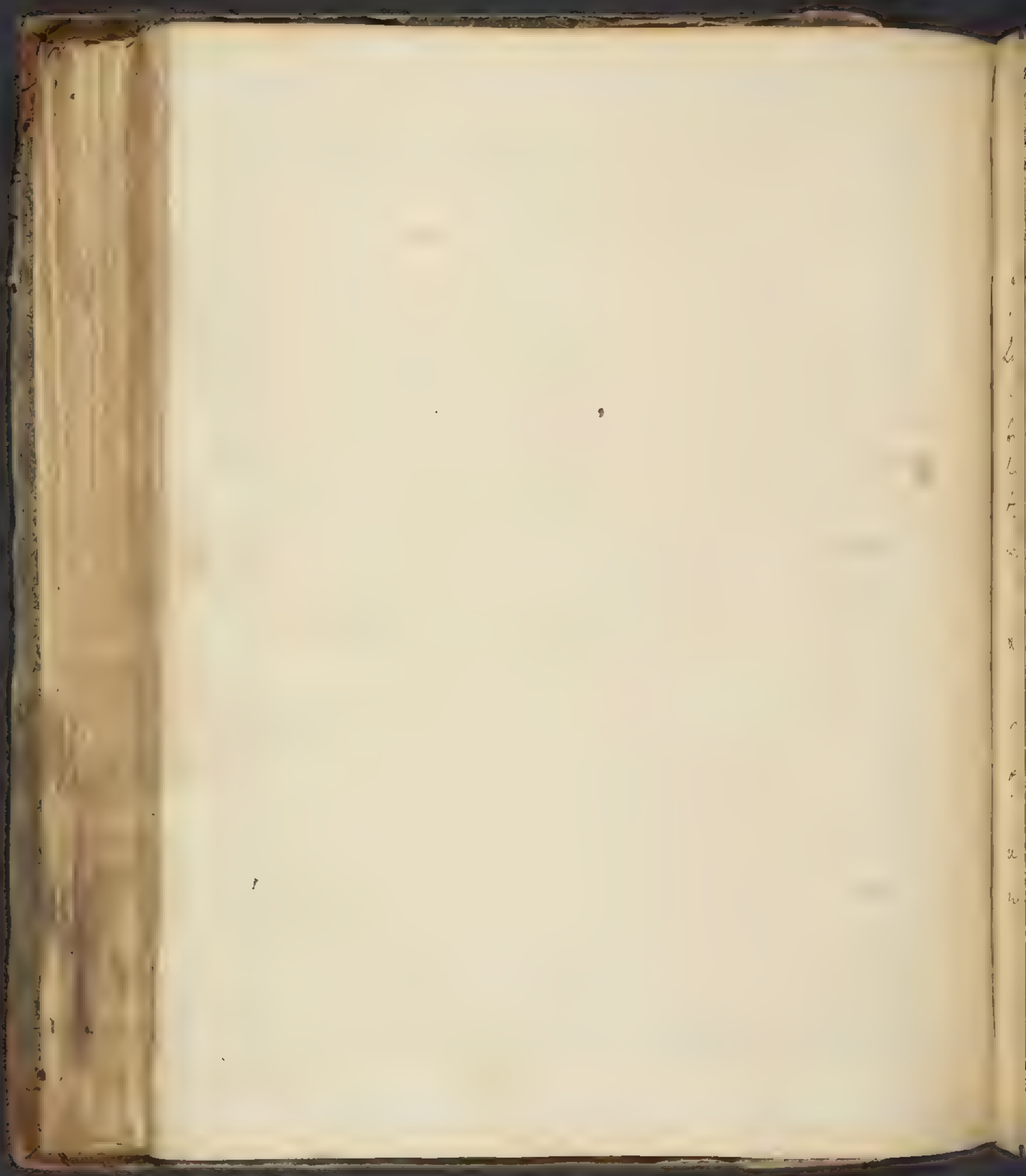
It may be known by the pain wh attended a full inspiration. A hacking cough is generally a concomitant symptom, and by applying the hand on the side when the patient coughs, the crepitus may be readily perceived; and if the lungs be wounded the patient expectorates a bloody mucus, and air passes into the cavity of the Thorax. A crackling noise is observable on touching the parts affected, this proceeds from the air forced into the cellular Membrane, and is called Emphysema — when it takes place



only in a small degree it is of no consequence. There will be a small irregularity or angle at the place of fracture. If you press on the angle it is as an irregular Snake and makes a crackling noise, some times a swelling at the being laid bare Embryos, occasioned by the air passing from the Lung into the Cavity of the Pleura. and at every expiration of air into the Substance, and some times makes it very over the whole being, When the swelling is partial a cloth wet with brandy may be applied to the Embryonary part, and confined by a roller, Dr Hunter has published an account of the treatment of such cases, in the 2nd Vol of the London Medical Observations, Wh. I should advise you to read -

The treatment is to prevent the exercise of the Ribs, that an union of the parts may take place. for this purpose a wide bandage should be draped round the Thorax, so as entirely to prevent the motion of the ribs in the act of respiration which must be performed by the Diaphragm.

At some times becomes necessary to make a puncture into the Cavity of the Pleura to discharge the air, (Paracentesis). When this is done it should



Should be made between the sound ribs, & the wound,
between the stomach & diaphragm, as the pleura is
liable to tear on impact & if the puncture is
made over the injured Rib, it converts the
simple into a compound one,
as this is already in reality a compound fracture;
but it frequently happens that the wound in the
lungs (made by the fractured extremity of the rib)
is so small that the bone separates as in simple
fracture. The cellular texture may
be let out in turning it it becomes necessary
to it never, induces suppuration, as I observed
when treating of wounds.

The antiphlogistic treatment should be pursued,
& in fact the case should be treated like a pleurisy.

For the cough which often remains, the patient
may take a Sennacetti Mixture, or a solution
of Gum arabic in water combined with some

Some of the small doses of Liquid Laudum are
very serviceable, for about 3 weeks union
will take place between the fractured ^{end of the} ribs.

Fractures



Fractures of the Upper extremities

& first of the Clavicle. These happen very frequently, and is generally about the middle, and directly across. Some time diagonally from without downwards, & diagonally inwards, & downwards.

When the fracture happens in the middle there is a great displacement of the bone, and also when the fracture is from without diagonally inwards & downwards, arising to the weight of the arm & the action of the pectoral muscles, the former drawing the scapular fragment beneath the sternal fragment & the latter drawing it inwards. But if the bone be broken from within downwards & inwards very little or no displacement will take place because the scapular fragment, being pulled downwards by the weight of the arm is next firmly supported by the other fragment over which it rests.

When near the sternal extremity there is seldom much displacement. The patient can not raise his head to the head, but always when requested to do this inclines the head to the arm.

Also if the bone be broken between the coracoid process & acromion of the scapula, no displacement will follow. Because the ligament passing to the coracoid process will confine one part, and the



to the acromion, the other, in this case an unnatural angle is only felt, & if the bones be left in this situation an abscess will follow & induce it to the state of compound fracture. This circumstance should be well remembered, for by leaving over looked the little motion it is allowed may prevent its healing and induce an abscess and thereby cause a compound fracture. In cases of fracture of the middle part of the humerus we generally find the patient with the elbow of the affected side resting upon a table or supported by the other hand, the affected shoulder considerably lower than the other, and an inability to raise the arm. By raising the arm a crack may be distinctly heard.

Treatment The former method of treating these fractures in England was to hold the arms between the shoulders of the patient pull both shoulders back, and while in this situation apply the bandage called so as to form an 8 in shape, and the patients have suffered in a King, but in this mode of treatment there is nothing to prevent the pectoral muscle from drawing the scapular fragment under the pectoral one. I believe this is the present treatment in England.



English & which I have frequently seen tried
there, but with very little advantage, this is active
however seldom succeeds & in short is of no servi-
ce, but attended with very serious inconve-
nences viz of excoriating the axilla, impeding
the circulation &c. Dehaenit has lately very
much improved the method of setting fractures
of this kind, as the great object in fractures of
the clavicle is to give some counter action to
the weight of the arm & the action of the
pectoral muscle, he places a wedge like pad
of horse hair or flannel under the axilla, the
largest end being upwards, around this there is
a circular roller this roller should be kept
tight at times around its body to prevent its
slipping, this prevents the scapular part from
sinking below the sternal one. The Pad enables
the arm to act as a lever to the clavicle, and effect-
ually prevents one fragment from sinking under
the other. The Pad may be of horsehair, wool
wool, Muslin, or flannel. The latter is preferred.

Another Bandage is to be applied around the body
over the arm, drawing the elbow close to the
body and confine it in that situation & thus
prevent the action of the Pectoral muscle, It
may have one or two turns round the wrist to sustain

10/1/18

support the weight of the fore arm, or a strip
may be run around the wrist & passed to the
other bandages to support its weight. A piece
of soft linen or flannel should be placed
between the wrist & body. the weight of the
arm should be supported next, for this pur-
pose an assistant should take hold of the el-
bow & push the arm upwards, this done
a bandage is to be passed around in forming
a figure 8, beginning as follows; pass one end
over the breast pass over the fractured bone under
the elbow, and over the same bone again, then
across the back under the opposite axilla, across
the breast & so over the fractured bone again, pur-
suing the same course as before, we should
then feel the pulse, to see if the circulation
goes perfectly on, It sometimes happens
that the pressure under the arm & the bandages pre-
vent the passage of the blood in the radial arte-
ry, & you should always feel after applying
the bandages if the radial artery pulsates.

Then apply another roller over the whole to
keep it more steady. There should be a
hole through the strip which passes over the hand,
so the thumb to pass through and prevents it
from



from slipping up on the bone. at the end of 4 weeks the bandage may be taken off, tho a week longer will not be amiss, as the union will at this time be very weak.

Lecture 11th

Fractures of the Scapula

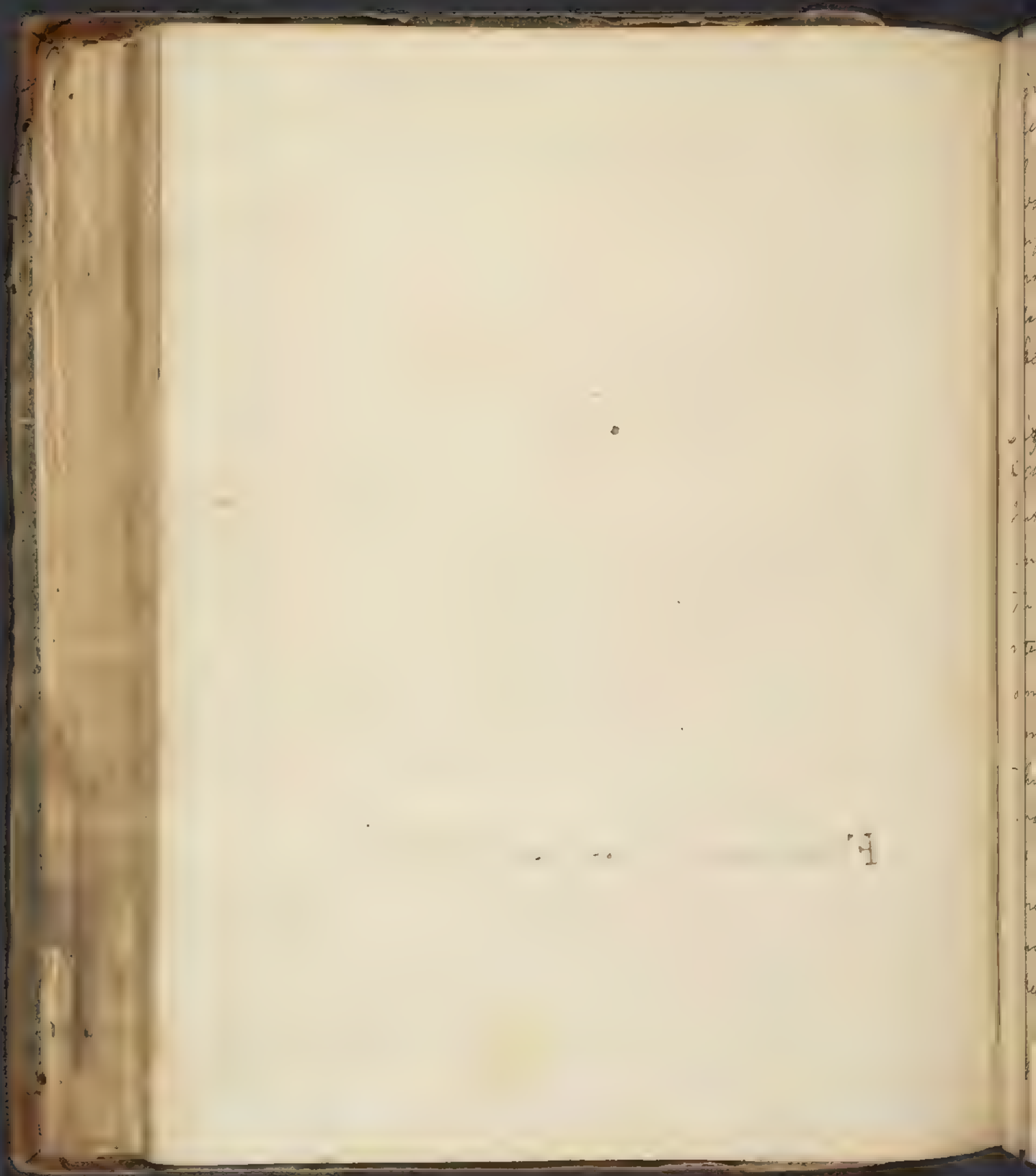
The Bone is frequently fractured in two places to wit, in the acromion & the inferior angle. The former is but little covered with muscle, and may be easily felt by the finger; and also as part of the Deltoid muscle which supports the arm is attached to it. The arm falls to some distance below its natural position, when ever the acromian process is fractured it is to be treated exactly after the same manner of fracture of the clavicle. It may be replaced by pushing the arm upwards, that the head of the humerus may press up the fractured portion to its proper place. The fore arm may be bent on the humerus, and the bandage kept as above mentioned. The Dressing should be continued about 6 weeks. I have never but once seen any other sort of the



The Scapula fractured, and that was nearly at its inferior angle, and fractured transversely from the base to the inferior Costa and when the Scapula moved the lower fragment remained still, then fractures of this part of the Scapula occur, and when the lower angle is broken off it is drawn a little downwards & forwards by the action of the Serratus Major Anticus muscle, and cannot be pushed upwards, while the Scapula is drawn upwards by the Serratus Major. To remedy this the hand should be brought across to the other shoulder, and cross the Scapula around so that the broken edge may be brought into contact with the fragment. The hand should rest on the shoulder of the well side, and bandage should be passed around the arm & shoulder, to prevent any motion of the arm and keep it in this position & so prevent its moving the Scapula.

Fractures of the os Humeri

This bone is most frequently broken about the middle. When fractures happen about this place, there is no difficulty ascertaining their situation. The Patient cannot raise his arm nor use it in any degree; if however there is any



in any direction, and the fracture may
be easily reduced & set. The humerus
is some times fractured at the two extremities.
when the superior extremity is injured the
inferior fragment of the bone most commonly
proapes inwards but rarely outwards or
laterally, if it be fractured outwards the
elbow stands in towards the body & vice versa

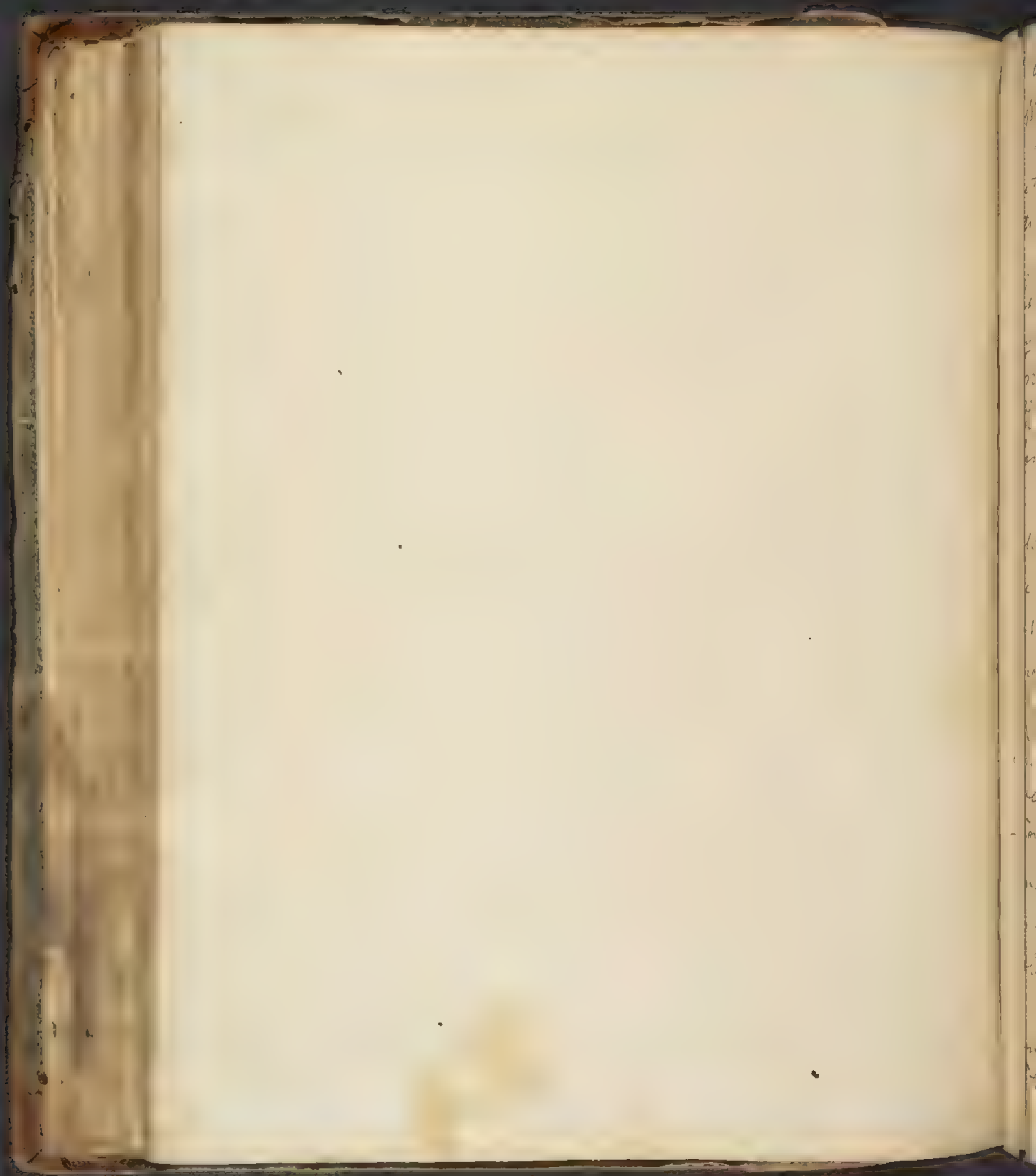
This treatment, an assistant should
seize hold of the condyles, bending the elbow
& drawing it a little way from the body, to
put the Muscles in a state of greater relaxation
an other assistant should take hold, round
the patient under the axilla to make a con-
ter extension, or take hold of the opposite
arm. The surgeon should take hold of the
arm & raise the ends of the bone in contact,
thus being done a roller should be applied
around the arm from the elbow to the shoulder,
it should be pretty tight making a moi: at
wreath; the not so tight as to stop the cir-
culation. Three Splints are sufficient to
keep the ^{fragments} ~~fracture~~ in their proper situation.

These should be at paste board, and secured
by an other bandage. The bone arm now
remains to be



Supported, this is done by a sling or by wrapping a broad roller round the body, having previously put a con. in, or at a distance under the arm, for the purpose of making the side level for the support of the arm. The bandage for the support of the fore arm begins at the opposite side, passing under the hand over the elbow, round the body & then commencing the same course again; at the end of 10 days we should examine the limb, the union at this time will be so soft. That if any displacement has taken place, it may easily be remedied. By the end of 4 weeks the may omit the bandages gradually. If the forearm swell much we may work the bandages down the ends of the fingers; this is however seldom requisite.

Some times the os humeri is fractured near its head, the patient complains of pain upon every motion of the arm, pressing the arm against the side causes pain. The lower fragment in most cases is turned inwards towards the thorax, I never saw a case where it was either before or behind. If it be inward the elbow stands off from the side; if outward



if outwards, the elbow bends in towards the body.
When the lower fragment is in towards the thorax
a pad should be applied also upon the axilla
between the arm & the side to keep the bone in
its right situation.

Fractures near the head of the humeri
have been taken some times for luxations, &
by the surgeon trying to reduce the luxation
much mischief has been done, by irritating
the wound & surrounding soft parts, to induce
some cases to induce suppuration.

This mischief may readily be avoided by
placing the finger in the axilla, when we shall
be enabled to feel the rough end of the fragment
instead of the round head of the bone. Besides the
incision in the axilla not being so large.

Some times when the lower fragment keeps its
position, and the patient cannot move his arm,
we are enabled to tell the true place of situa-
tion only by extension & counter extension being
made, & the crepitus may be felt by bending the
arm. It is of great consequence to ascertain
whether the humerus be luxated or fractured, for
if the latter, & the lower end inwards the patient
can not rotate his arm, when it is ^{in the} ~~placed~~ in this
situation.

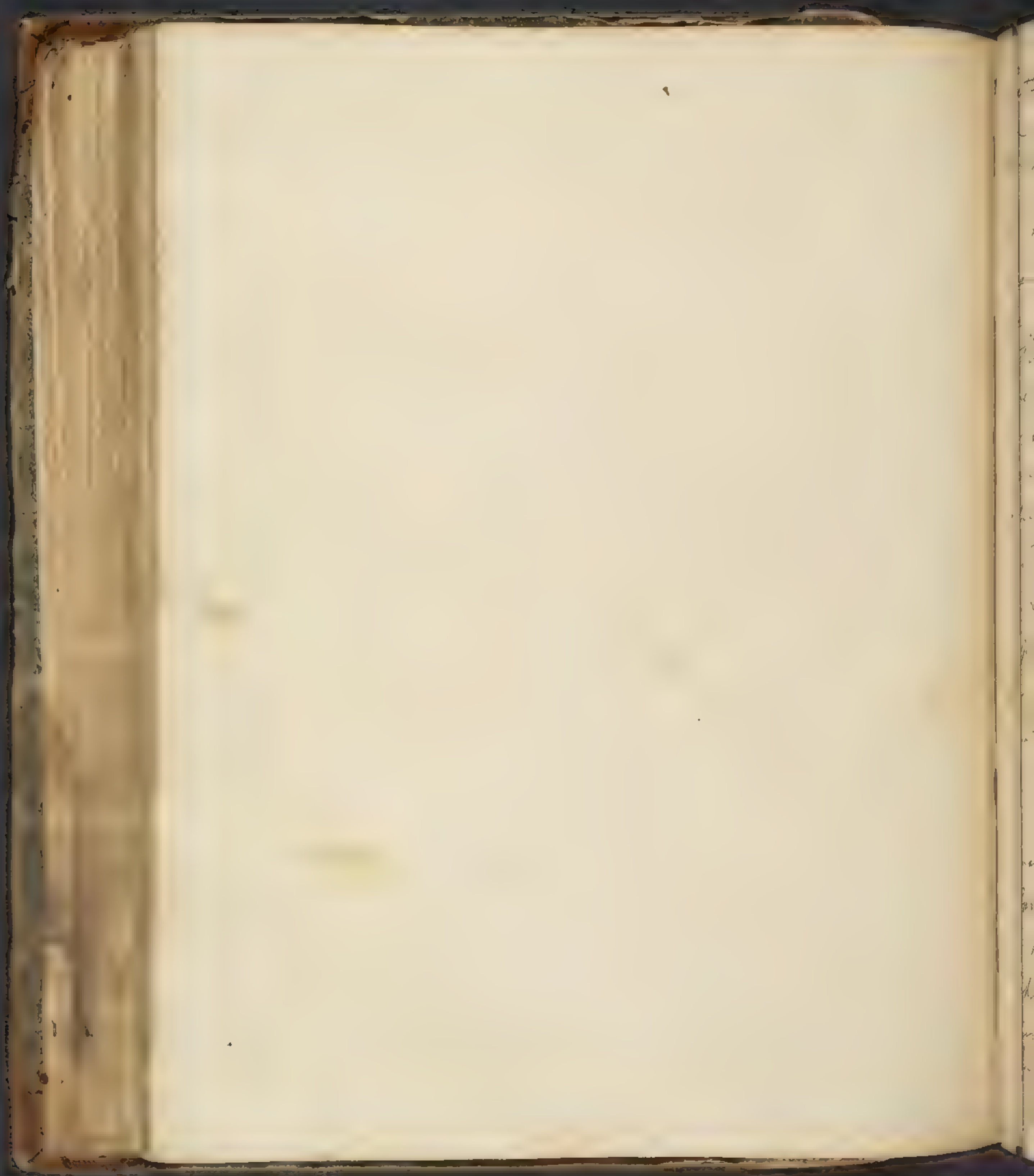
Treatment



in fractures of the head, as the
bone begins to separate at the point of union
is to the shoulder after the extension & counter
extension have been made by an assistant.

The Shirts should then be applied: Two
of them will generally be sufficient if they be
put there if they be narrow applying one lower
one on the upper limb, and an other on the lower
part of the arm. There are to be secured by
a roller. The lower fragment is to be kept
in its place, and is kept more by a piece of
planned canvas or a piece under the arm, this
is answer instead of a shirt this being done
the arm is to be bent at the elbow, and secured by
a broad roller on the back. I prefer the roller
to a sling as the sling admits of too much motion

some times a dislocation takes place at
the fractured part from the extrusion of blood
from some injury ^{by the broken fragments} which would be treated
as an dislocation. and in such cases the
bone will be in the, tho we should examine
it in about 4 days. by which time the dislocation
is frequently when will have completely taken
and



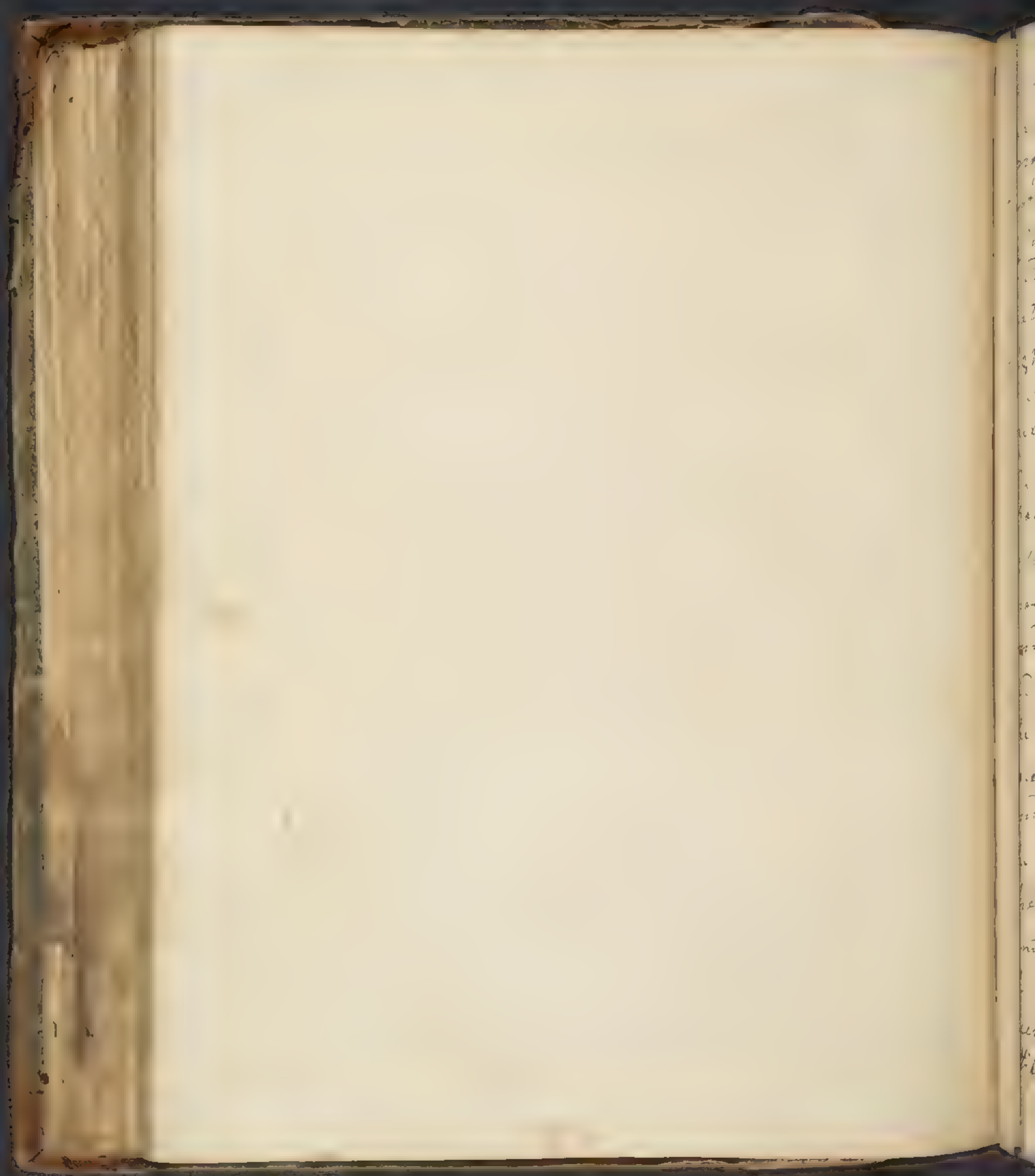
letter enabled us to judge of the proper situation.

Since I saw a case where the bone was so much
displaced that I could not feel the bone at all.

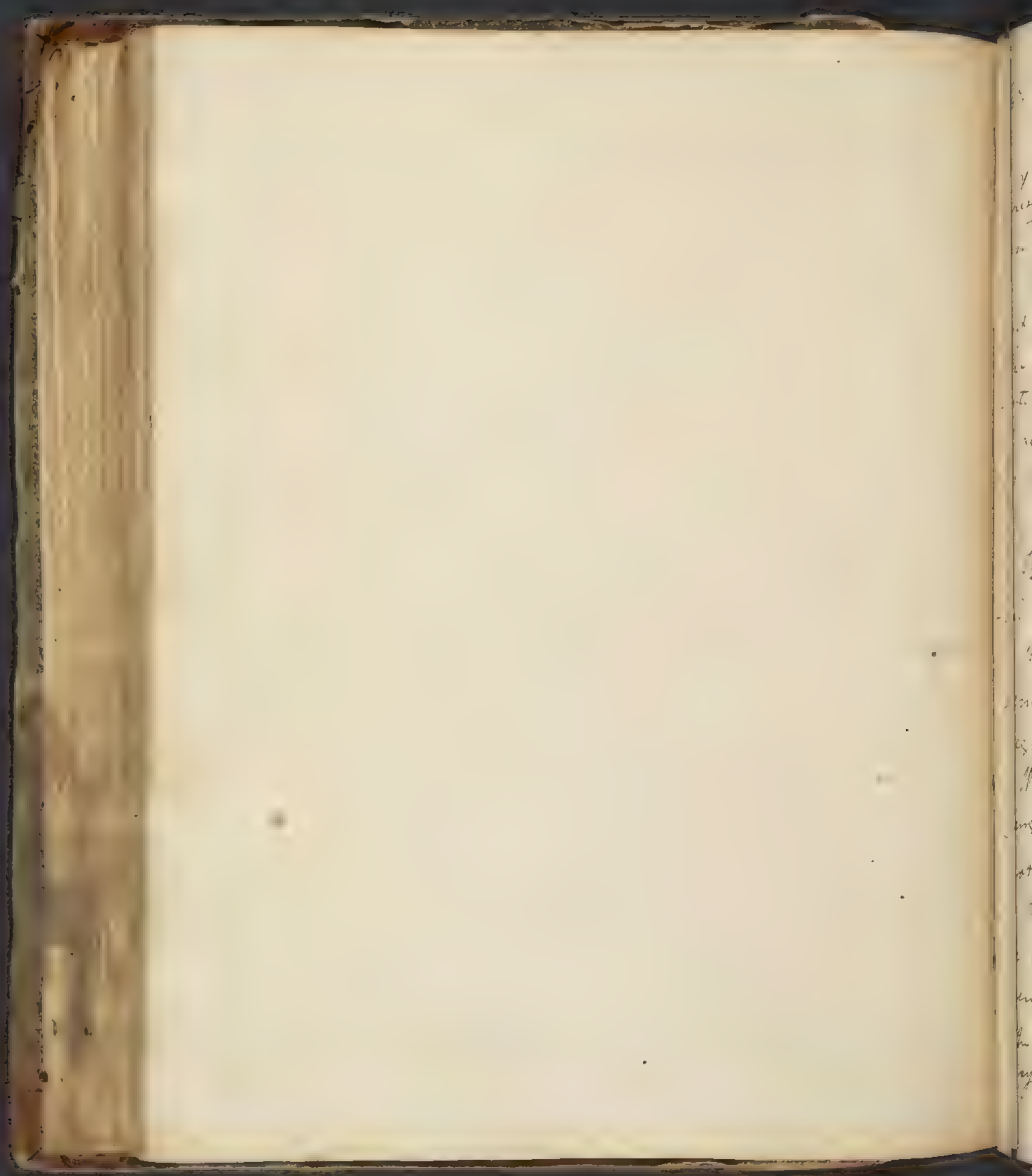
Mr. Delaunt advises where the extension is great
to make a free incision around the fracture
to unite & discharge the blood. But this I should not
do, as it reduces it to a compound fracture.
The natural process of absorption will make the
bone unite. It is however at the end of 3 or 4
months that he will be required a small incision
may be made into the cavity to discharge the
blood. By this time the bone will have united
and will be in danger of changing the
fracture to a compound one, as soon as the
operation is done, the edges of the fracture should
be brought into contact by adhesive plaster, so
that the wound may unite by the first intention.

The Femur is also some times fractured
transversely, as the bones and some times
longitudinally so as to separate them.

When the femur are fractured in this way by
taking one fragment in each hand, and moving
them backwards & forwards, we easily perceive
the fracture. If any one be fractured see in
incision



...in the same way using the
...that the patient
may be readily felt. I have already said
that when the elbow joint is concerned in the
injury it is right to use the arm splint.
The fore arm should be rendered immovable at
night, and after the incision, are placed
a bandage should be applied from the wrist
to some distance on the humerus (half way).
next ... splints four in number
in the shape of an L. each forming right angles
should be applied one over the internal con-
dyle & one over the External one: then two
more ... splints are to be applied one anterior
and one posterior, these splints are to be secu-
red by bandages. The splints will extend along
the fore arm, should reach to the wrist. The
motion of the bone are displaced the fragments
and must be incanted by a bandage around
the body and arm, at the end of 17 days we
should take off the splints & examine the limb.
and at the end of 10 days more we should take off
the bandages again the arm should be gently
exercised; this should be repeated daily to prevent
stiffness at the joint, after the 20th or 25th day the
splint should be removed.



in Fractures of the Olecranon ~

These are mostly caused by falls on the elbow
and are always irreparable.

When the Olecranon is fractured the limb
is not able to extend the bone arm, because
the Triceps Muscle which extends the arm is in-
serted into the detached fragment, the upper
segment is drawn a little upwards from
its place, by the contraction of the Muscle
& you may move it from side to side.

Treatment. First the bone arm must be exten-
ded and the process being placed in its situation
is to be secured by bandages (wreath) from
some distance above & below the elbow
beginning at the wrist & wound to the shoulder.

When the bandage has got near the Elbow, the
surgeon must feel if any portion of the Skin has
got between the divided ends of bone: the bandage
is then to be continued on. A Plaster Bandage
is applied on the exterior part of the arm to pre-
vent flexion. After 10 days we may examine
the state of the fracture, and after the 20th
day we should remove the Dressings daily &
simile



gently flex the arm, in order to prevent this -
which at the joint sometimes happens.

The upper Shoulder be continued about
15 days after till perfect union takes place

Fracture of the Fore Arm

The bones of the fore arm are frequently fract-
ured, & the Radius, much oftener than the Ulna;
the Ulna being seldom broken alone

The Radius is most commonly fractured at the
wrist when the Ulna is not broken with it, and
no difference here can be seen in the length
of the Radius; all the difference that can be
seen, will be an angular projection of the fore-
part of the wrist; the fracture is commonly so
low as to be taken for a luxation. The surgeon
will put the arm in a sling, and an union
will take place forming a very disagreeable
projection, & the patient cannot rotate, rotate the
arm as usual. This may serve as a distinguishing
mark at the fracture there is always an angle formed;
and we may likewise distinguish between fracture
& luxation by the crepitus attending the former,
but besides the crepitus (which cannot always be
felt



felt; we may know by the tubercle at the in-
-er end of the radius, not being adjacent to
the ulnar process of the humerus as usual. If
some times broken however, that both are broken
in the same place, when this is the case the
patient can not lift his arm, the brachial
nerve is felt the arm tends at the head at
fracture, and there will be a lateral depre-
-ion caused by the bones being brought nearer
to each other together.

Treatment. To bring the divided surfaces into
place, an assistant should take hold of the elbow
and another at the hand, & make the necessary
extension; while the Extension is making the
surgeon may replace the ends of the bones
without any difficulty in taking care of the
arm and squeezing the flesh in between the
bones so as to put them out. The inter osseous
ligament, will prevent their being pushed too
far out, this being done a bandage is to be
applied, beginning at the wrist & extending it up
to the elbow, care being taken not to move the
ends of the bones, To Shirts Shirts then be ap-
plied and should be never shorter than the arm, &
should be of firm materials; Garter bands without
being used

being wet and cold

must answer, very well, the Splints
should be covered with soft linen & ex-
tend to the ends of the fingers. The Splint
on the back part of the bone arm should
be a third with the upper end below the
elbow, or else the patient will pinch him-
self when ever the arm is extended;

A splint is to be placed around the wrist
and the bone arm supported by a bandage
having care to keep the shoulder in a good
else the patient will not be able to rotate the
hand as usual if it be suffered to rest in an
other position, at the end of about four
weeks Union will take place

Fractures of the Metacarpal bones, are
very rare, but they are usually & indeed
always fractured outwards or inwards. The
extension can be made by pulling the fingers.
and it is merely necessary to apply two Splints
one on the fore part & one on the back part of the
hand about the length of the hand & secured by a
roller.

The Phalanges are some times fractured
they are easily reduced & secured by 2 small
Splints



Plaster, pieces are on each side one on the
back & one on the fore part of the finger and
a roller, raised around them. If the bones are
not properly adjusted the finger remains crooked
after this.

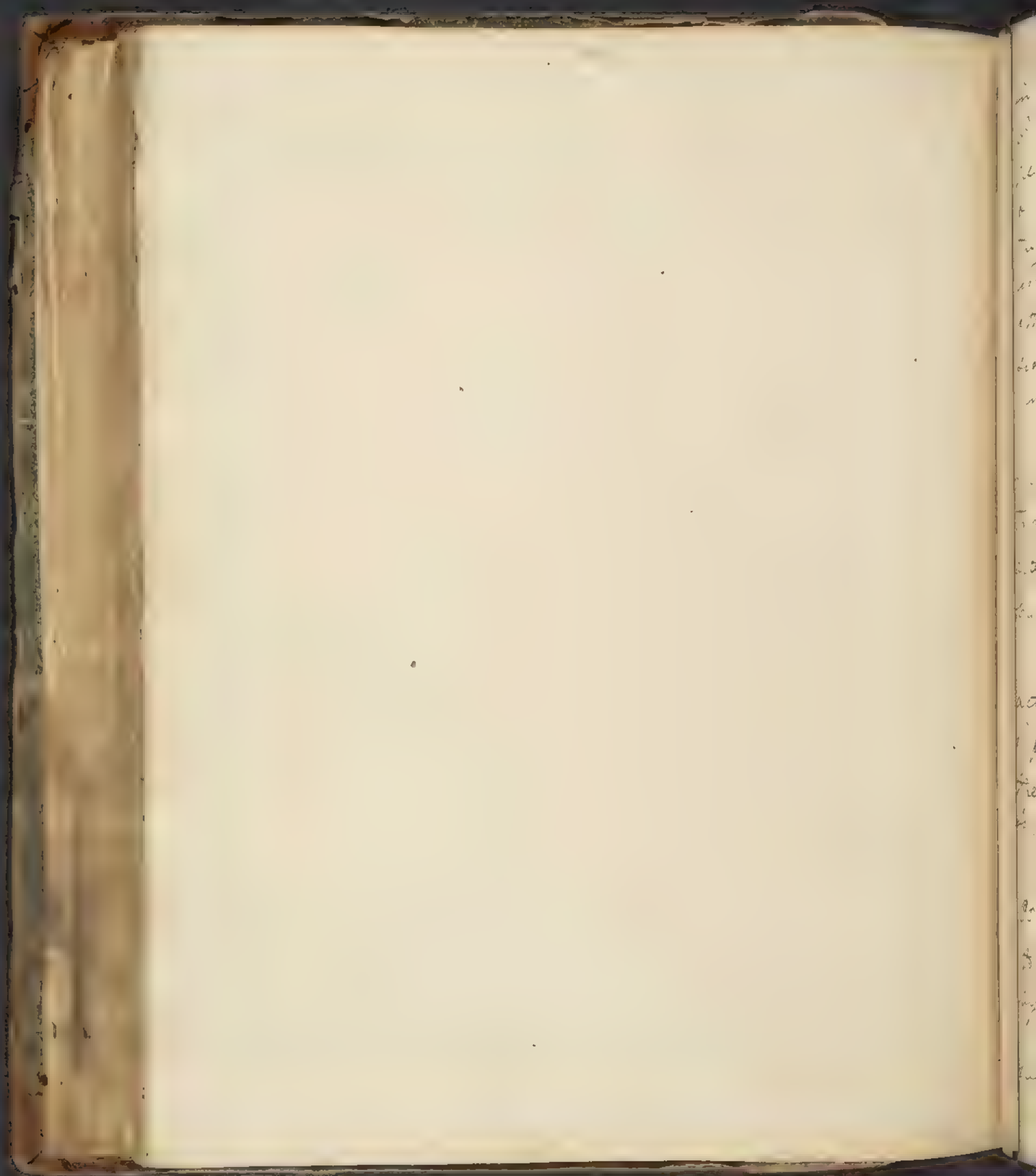


Lectures 12th

Of the Os Femoris

Fractures of the femur occur more frequently
about the middle or rather lower part than the
upper part as at the Trochanter. In some
instances at the Neck but most commonly at
the middle.

The fracture may be known first by the sound it
gives the patient, 2nd by the length of the fractured
bone. When the bone is fractured in the middle
and the fracture is oblique it will be consi-
derably shortened an inch and a half, the upper
end of one portion rising over that of the other



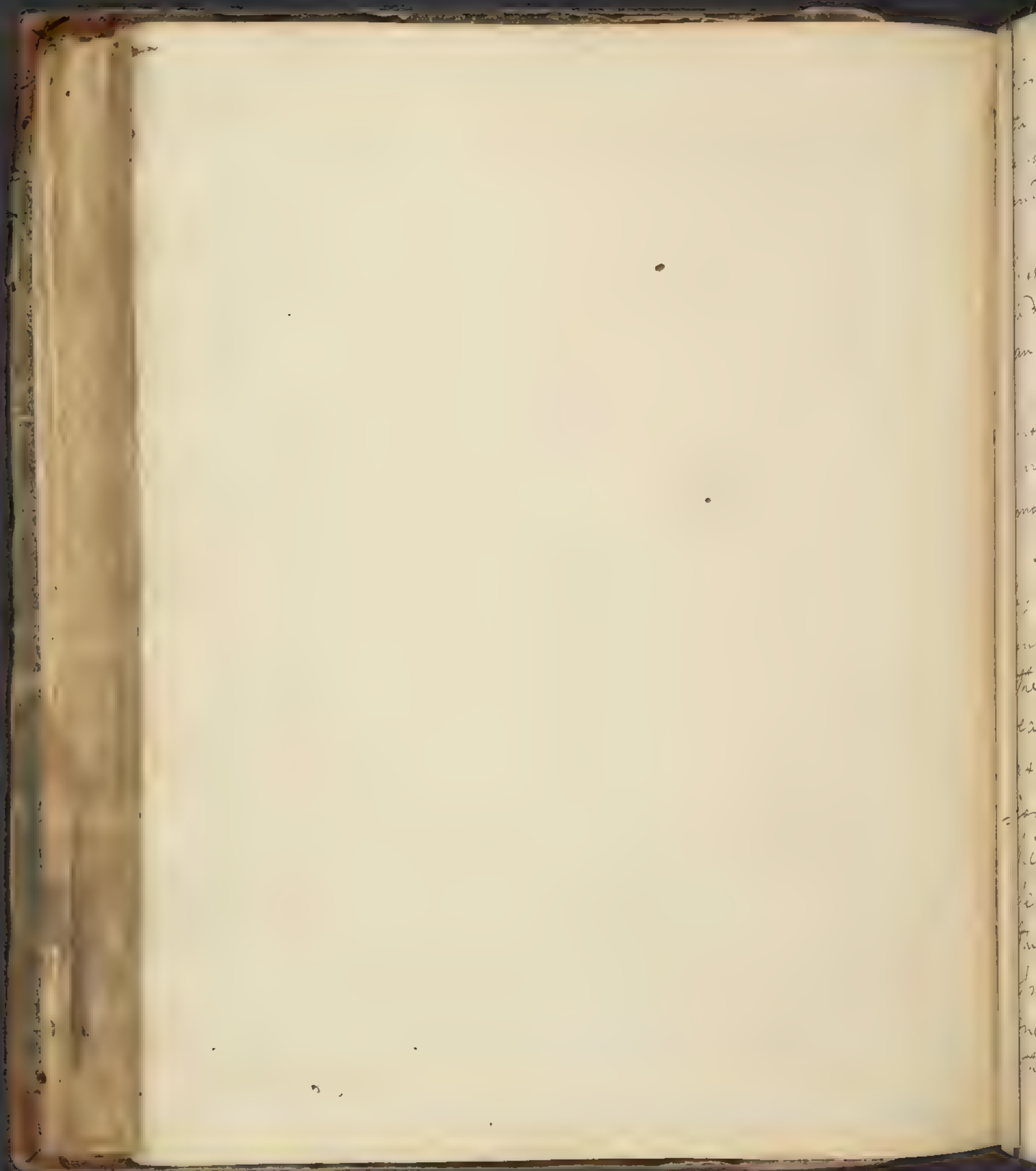
in consequence of the contraction of the muscles,
3^d an inability to move the leg. The next thing
pleasant to remember in this thigh, it tends at that place
to which motion the patient is accustomed. I suppose
the same will be witnessed the two humerus & scapula
are taken one side of the bone moves over the
other & will occasion a tumor with some in-
crease at the place. The lower fragment is found
under the upper one.

Same times a fracture happens at the lower
extremity of the humerus by reason of its being
transverse. In that case as the length is not
altered it may be known by other signs to exist
between the

The shortness of the injured leg is owing to the
action of the muscles on the thigh. Tending the
inferior position upwards; also is the action of
the gravity of the limb when it is causing the
inferior extremity of the bone to fall downwards.

The great aim then in the treatment of the
fracture when in a tumor is to prevent means
to counteract this tendency of the bone is raised
by each other from the opposing causes.

The method made use of by the ancients
was to place a bandage around the wound

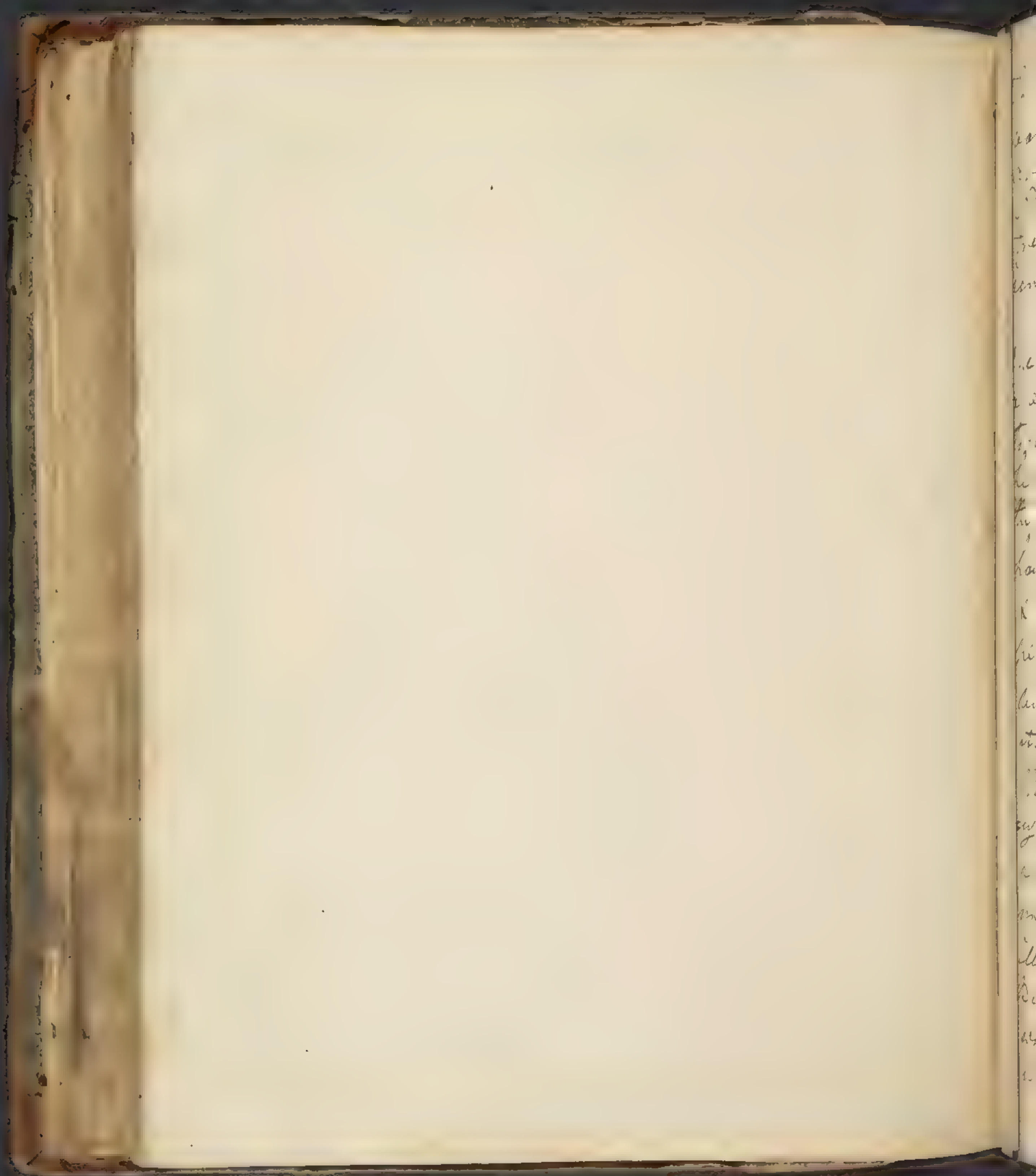


Here we under the arms, & extend it: the head of
the net, an other end fasten to the middle end
a round the rest of the head & thus the extension
and cover the extension was held in.

So this is an objection, but the extension is not
insufficiently sized. The butterfly form is not in the
head & thus the fragments are not clean, and
an answer can not tell more.

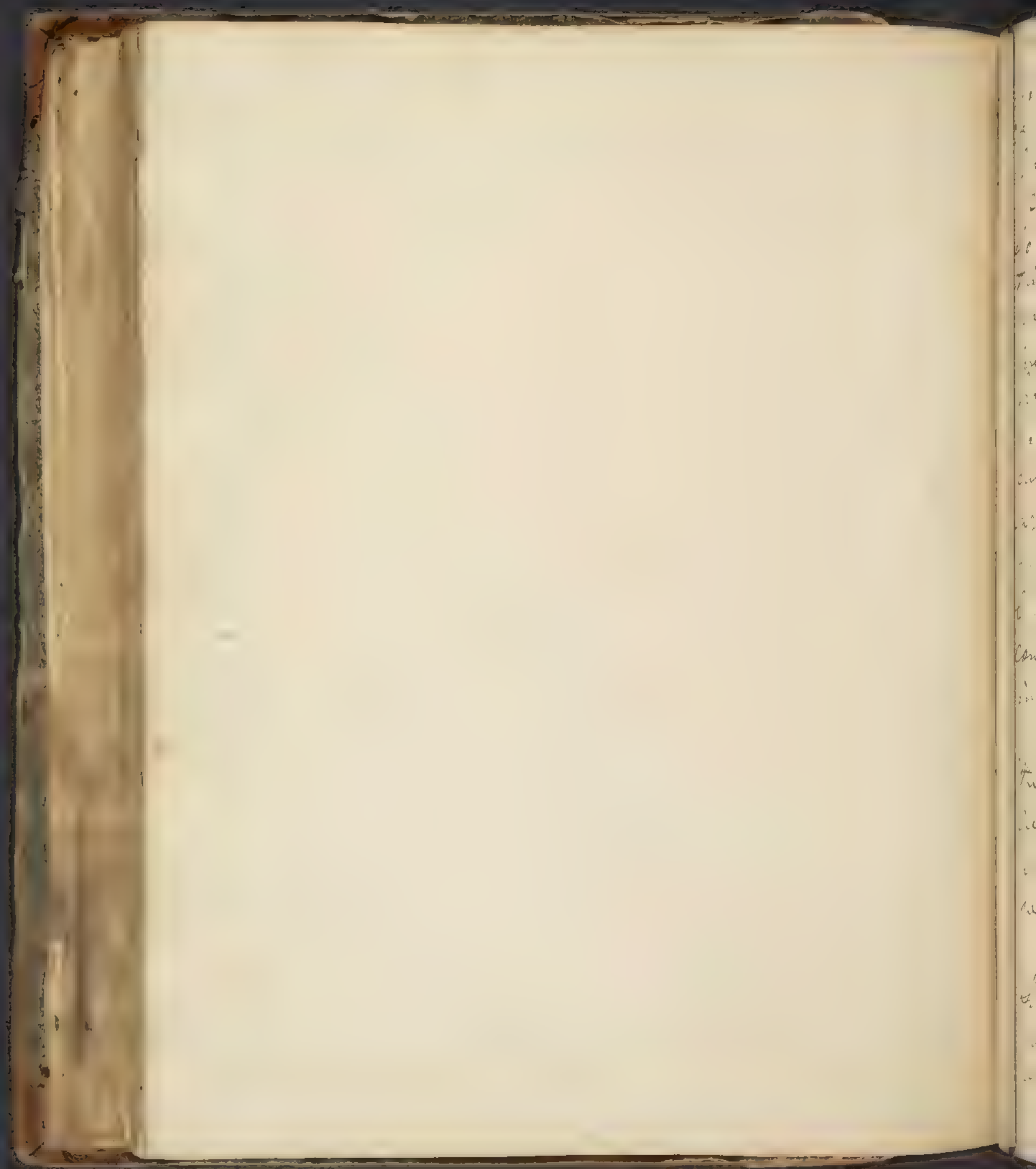
The manner in which the extension is made
has been treated in various ways. It is not at
present there, the manner in which the extension is
made is not

I. The extension & counter extension being made
by a number of the same is reduced by the extension
and the extension of the extension is reduced by the extension
the high, we look over, and then to decrease
each other at the top, a short line applied
at the posterior part of the extension at the exten-
sion part of the high. The short line is
piece of cedar given in extension. It are
secured by pieces of tape tied round one at
the upper & one at the lower end. These
small bundles of straw, are then applied
one on the inside of the extension, and one
other on the outside, and secured by tape.



To prevent the foot from turning out, a bandage is pinned to the inner tunic, & is wound round the foot & pinned to the outer tunic. This is now I believe the mode of treatment in London, it is however inconvenient.

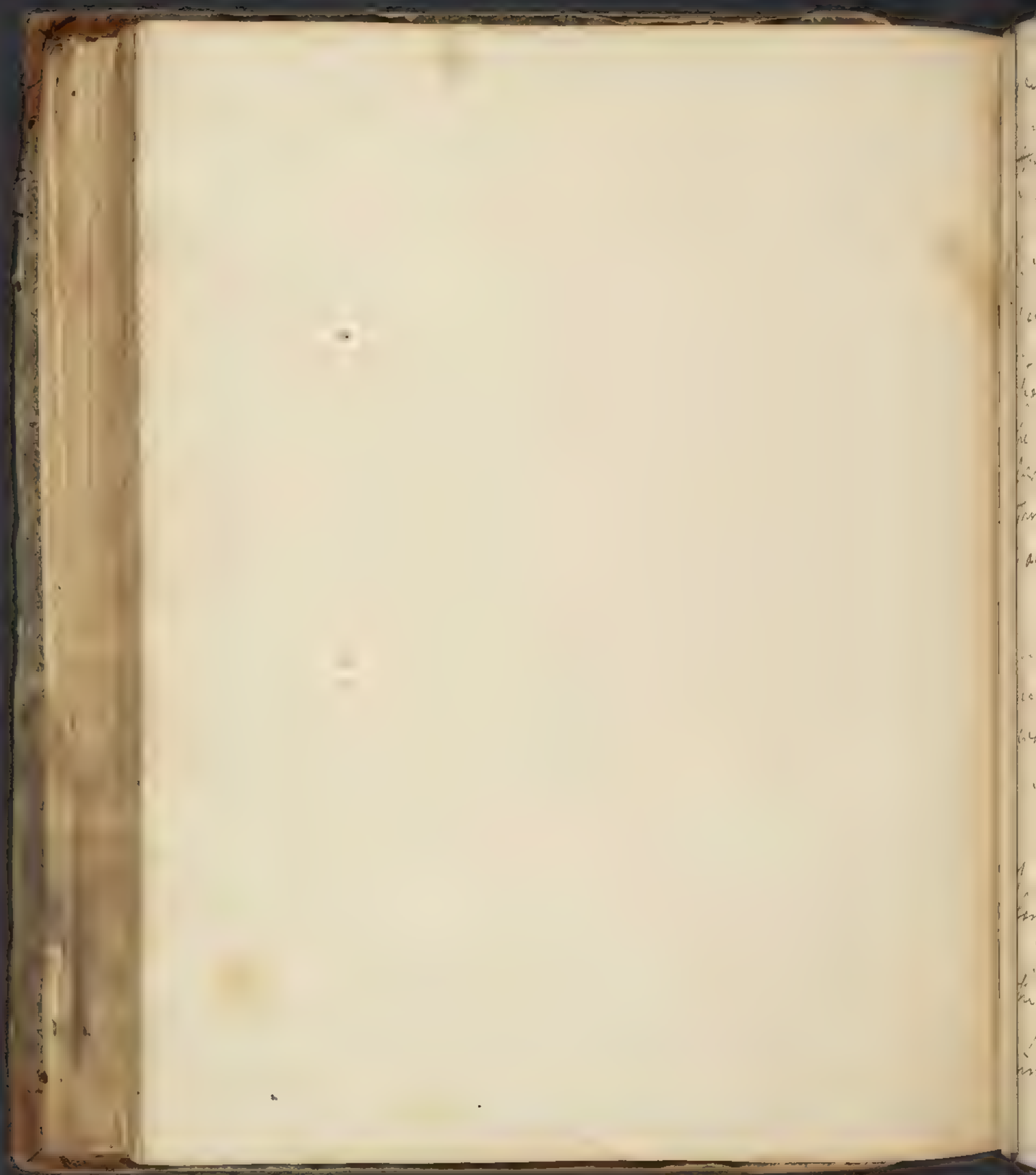
Mr. Pitt I have heard that the Lieut. of the army was frequently amused, as arising to the Hospital during a period of repose, when the Lieut. was frightened & he therefore changed the position ordering the patient to lie on the right side and have the thigh drawn in toward the chest & the leg bent on the thigh and thereby placing the hip in a state of relaxation. But this will not be found to answer, for often the ends of the bones will irritate the muscles causing them to contract & displace the bone. Besides we cannot ascertain the length of the limb, since measuring from the anterior superior process of the ilium in this position is very inconvenient. Besides the patient is apt to turn on his back when asleep and the continuance on the side is very unbecome and indeed the patient can not



not lie on his side in case. To answer this
it has been contrived for the patient to lie on
his back, & to have his legs & arms to rest on a
machine, some what like the rest as a stand,
so that the legs may be relaxed. But in
this position every time the bed has to be put
under him, the same will be displaced. To
prevent this, the legs of his frame have been
made continuous & connected with the bed, so
that the whole one, which must have a base
cut through in a minute the arms for the legs
= as at the sides to the feet which is to be placed
under it. The whole is a very good & a
cushion is made to sit it, but it is very
complicated & tedious to set up and is therefore
impracticable in private practice.

He has however made an improvement in
the Bandages, having them fastened in a more
convenient manner so that the limbs may be
examined in just opening them at the ends
without disturbing it.

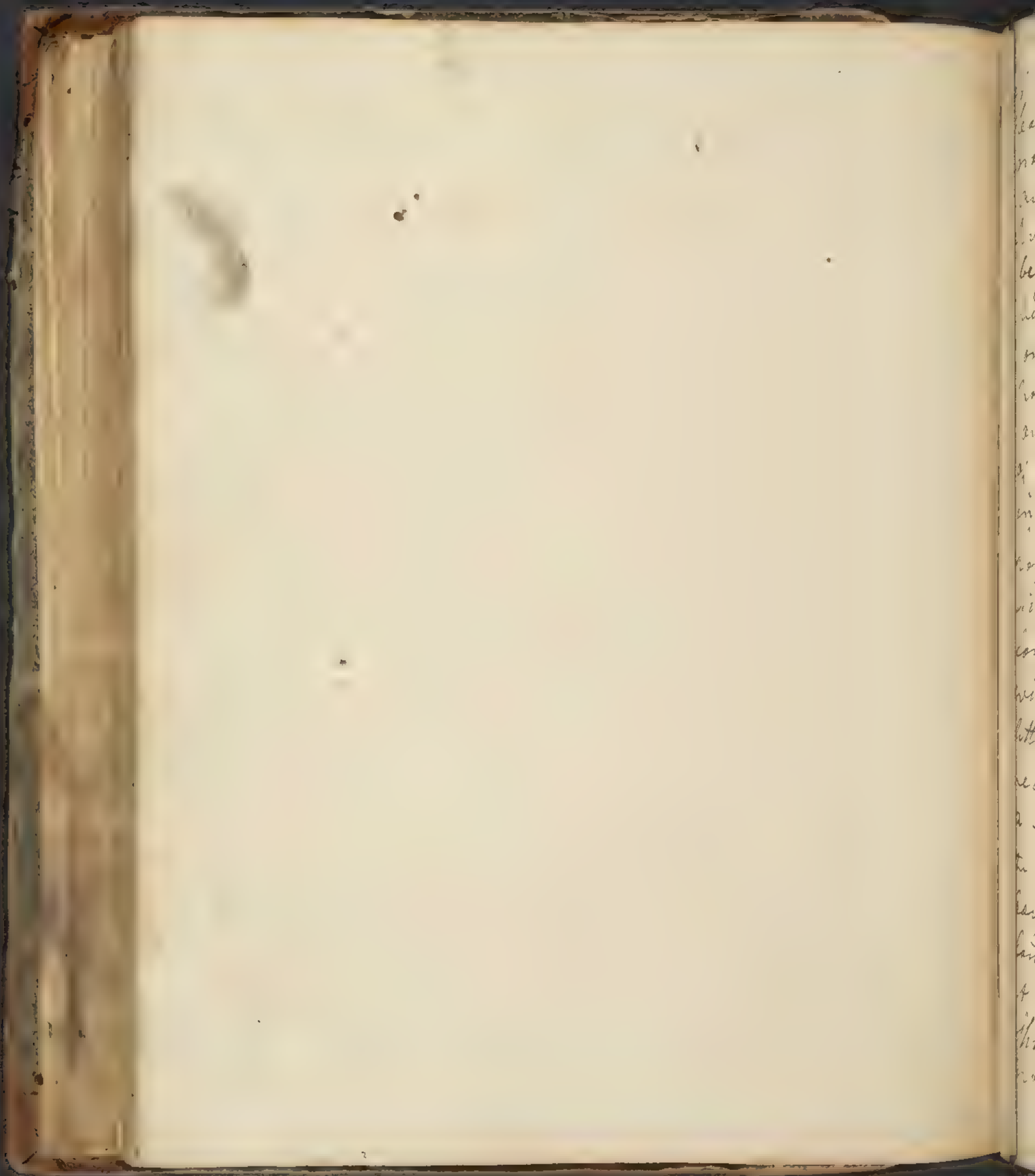
I have never known Mr. Potts succeed
in a single instance. The patient
will always turn on his back in the night
and another, very tedious inconvenience is
seen



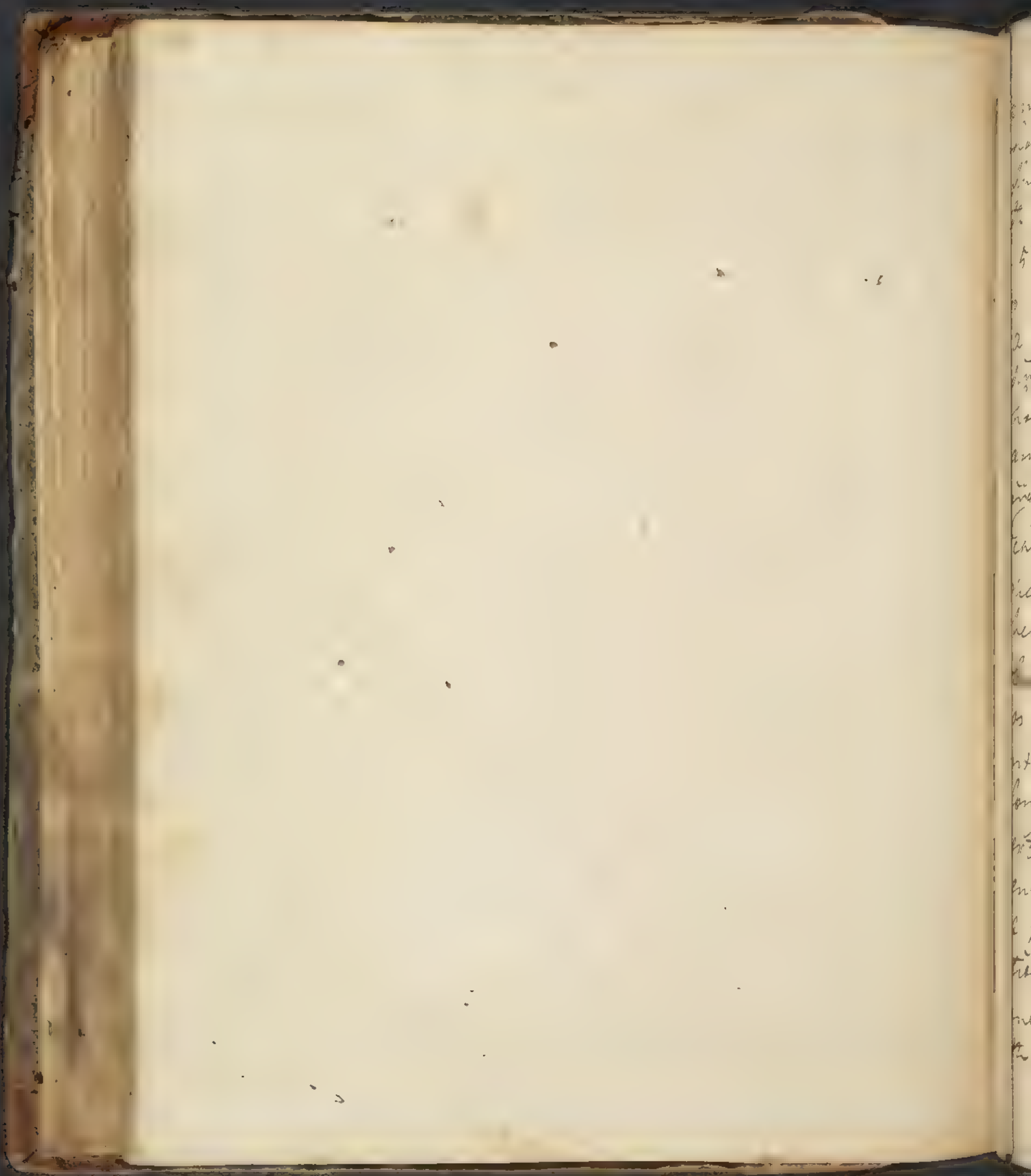
we can not tell whether the air is in its
proper situation, I had the pleasure to visit
this plan of Potts & the test in the same
hospital, a box was a meter to the initial
with a fractured femur, he was treated accord-
ing to the Kelly's direction after a while the
bone united & he was permitted to go out, at
the same time as his crutch he fell, and the
bone was broken exactly in the same place,
he was again a meter to the hospital and his
leg was then extended he recovered much sooner
than before & he thanked me with much ap-
peal.

All these modes are found to be incon-
venient for securing the fractured femur. The
last, naturally resorted to in the corner extremities
when treated in this manner in the hospital is

Depaul's has greatly improved the Trepan-
of fractured thigh by the invention of the
long splint, this is the latest & best method
now seen upon Depaul's Treatment
the first thing to be done is to give home
a plaster cast, this should be made of
firm boards covered with a cataplas, or
if



if this cannot be procured, a Lacing
bottom very tight so that the patient can
not jerk around, and he should not be
allowed more than 2 pillows. There are
several parts of this Dressing. 1st There should
be 3 Strips of Tape laid transversely on the
leg, one to come just above the knee &
one just below it, one at the upper
part of the thigh, and one at the ankle,
over this a broad piece of cloth wh may be
of Muslin or Linen, to cover the flints
in, this should be widest at the ant side
having the acute angle at the ant & up
side, next on this a bandage of strip
long enough to reach round the thigh, laid
with the edges in contact or so as to lay a
little with each other, & placed so as to
reach from the Perineum to the knee; 4th
a silk handkerchief laid so as to come under
the Perineum and across the pelvis to make the
counter extension. The Patient may then lie
down upon the Dressing, on his back, have
at head two flints of paste board or
shingle. next 2 trans bandages, one to
wrap over the tuberosity of the ischium



and the other around the foot, a silk
handkerchief answer very well for the cast
this should be around the ankle cross on
the top of the foot & tie on the sole.

5th a short strip of the length of the thigh
to be placed on the anterior part of it. 6th
a small piece of leather thread with a fine
silk thread, & laid on the perineum, the
hair being previously shaved off, to prevent
any excoriation from the counter exten-
sion handkerchief. 7th an other handker-
chief to pass around under the heel, and
circumferential at the sole of the foot, brought
below it & tied to make the extension;
~~Caution~~ The same caution is here requisite
as on the perineum, 8th a short strip
not to go on the inside of the thigh, and a
long one at the out side for making the
extension, the extension & counter exten-
sion & counter extension being made
& the same placed in their right situa-
tion the short bandages are to be added
one by one on the thigh, so as to make
the appearance of one continued bandage.

Fin

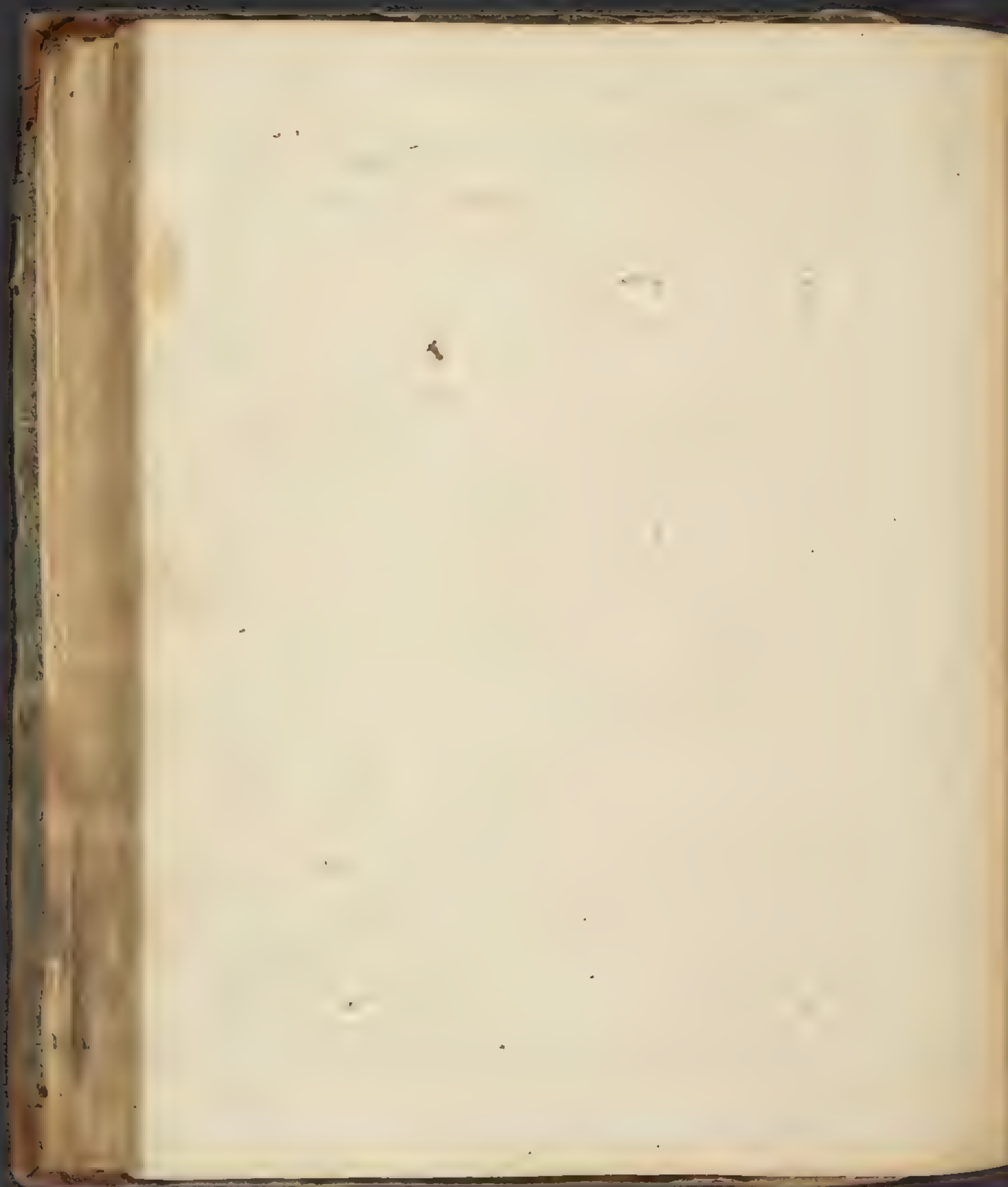
but the more piece of the new over them &
then it is between the hills & the sea -

They should not be applied very tight
or they would impede circulation,
The great object of this bandage is to
keep the Muscles more at rest -

The long Splint, now called up in
linen ~~bandage~~ for that purpose, is to be
applied to keep up the extension.

An excavated cone & goes under
the axilla, the holes at the top of the Splint
are next to receive the counter extending
bandage for securing it, the hole at
the other end of the extending one, after pass-
ing over the elbow, and are here in passing
the elbow downwards, which is required for keep-
ing the foot straight, and raising the extension
directly under the foot in a straight line.

The other short Splint is to be placed in
the same manner to reach from the side of
the foot to the peroneum - Let them on
thin piece of Linen be placed on the antero-
ior part of the thigh, & on other on the
posterior part of the thigh immediately
over the fracture. Notwithstanding the
Splints are covered in linen, there will
be when they are applied some bare cavities
the

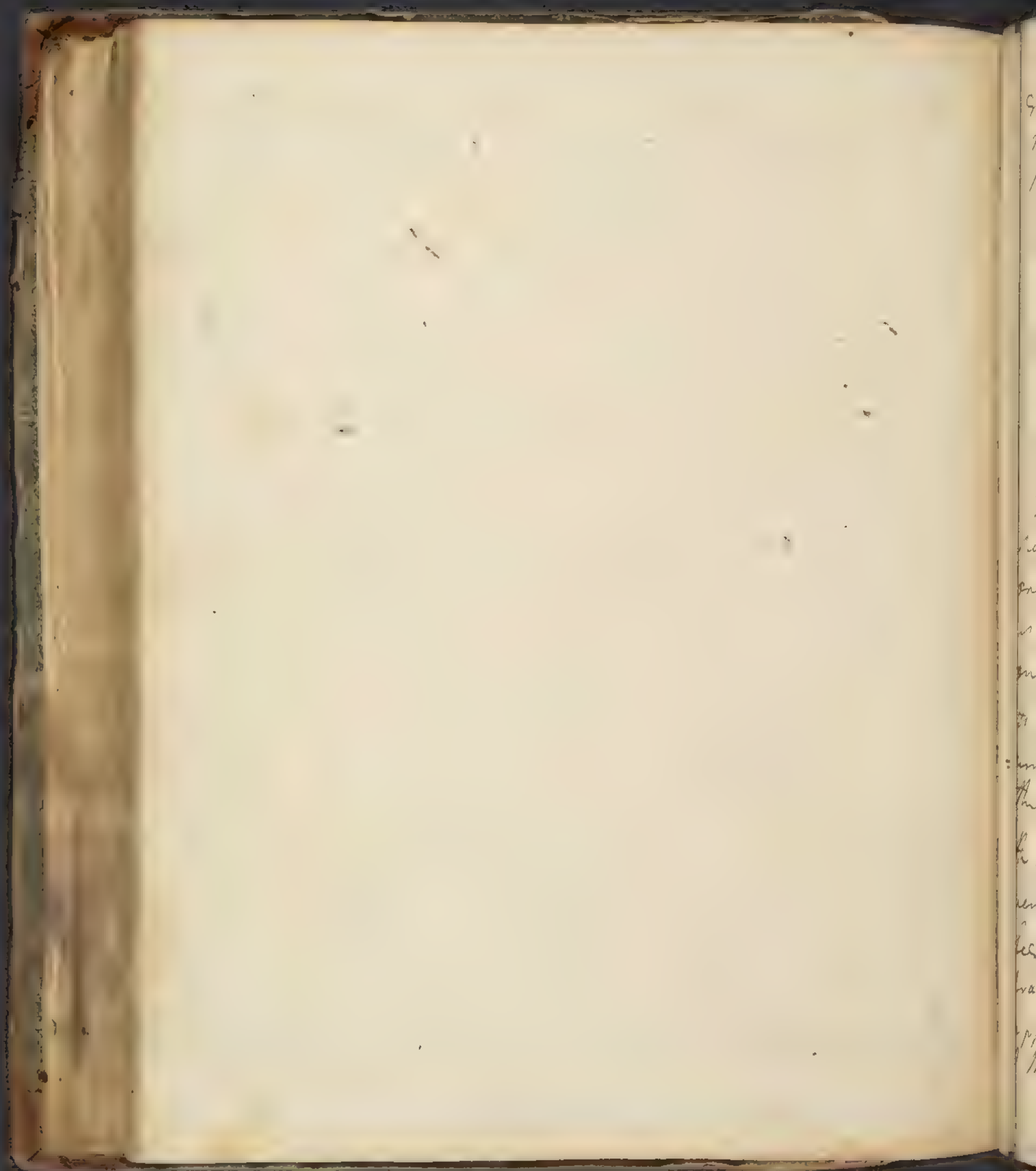


Wh. are to be filled up with bags of chaff
placed to fill the cavities formed by the
straight Shank & the knee of the Leg. Chaff
is preferred because it can be removed from
one end to the other easily. The whole then
are bound together by the Straps of the

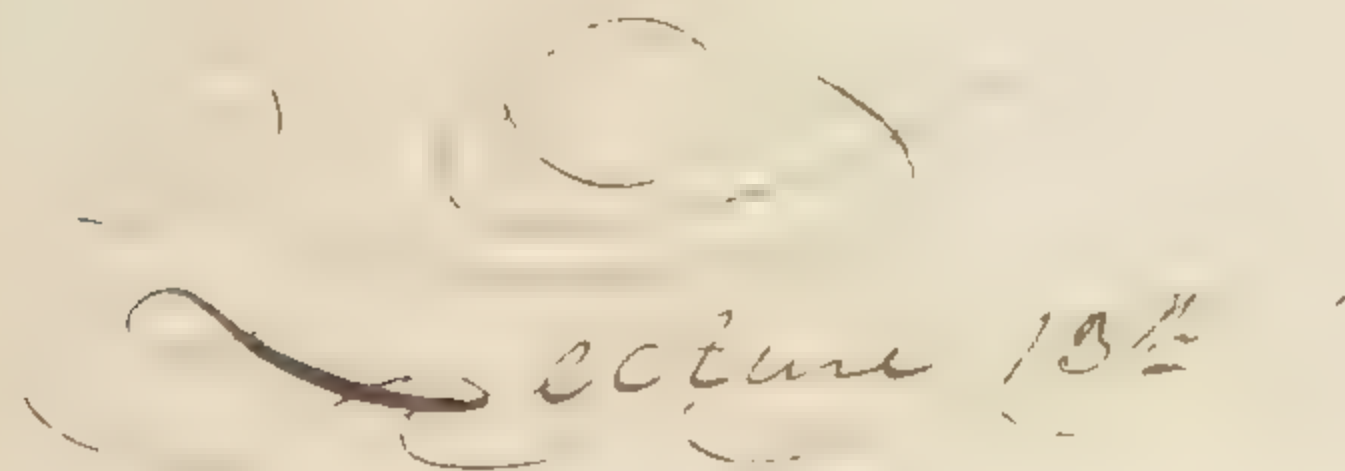
In order to keep them still former a wide
bandage is passed around the pelvis and
the long Shank, two or three times wh. serve =
its any motion, and the Shank is kept more
simply to its place. The bandage being
passed around the foot & fastened to the
lower end of the Shank in this way ex =
tension & counter extension is kept up.

And the patient having many joints to
rest upon by lying on his back remains
much easier than in any other posture

We should now examine the length of the
limbs, if the fractured one be too short, in =
crease the extension & when the bandages get
hard they should be tightened, The fractured
ends should not be drawn so as to come in
contact at first when there is violent con =
traction of the Muscles it will cause
great

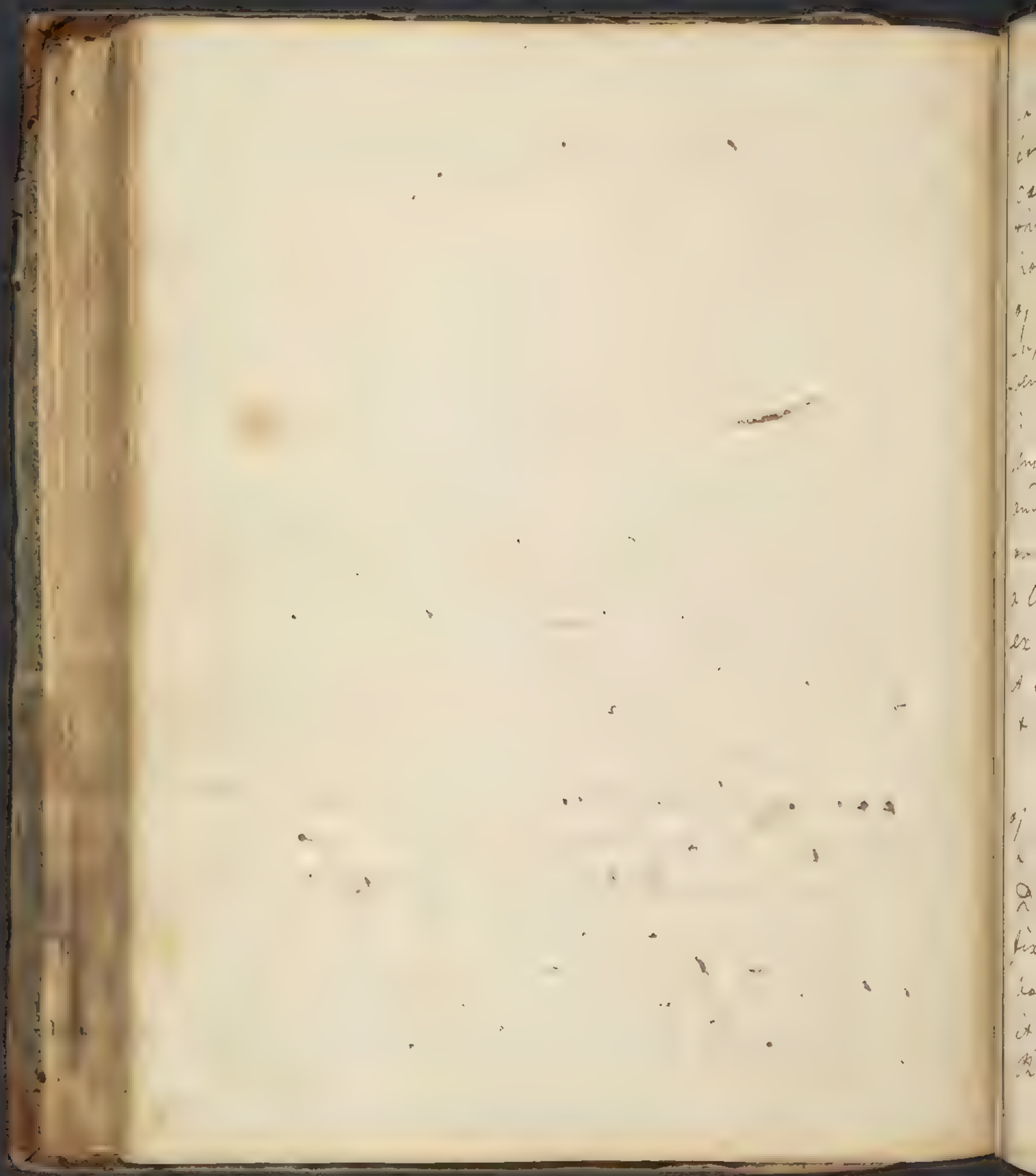


great excoriation, but in making a
moderate extension for a few days, the
Muscles yield to the force & we can
over come ~



Lecture 13th

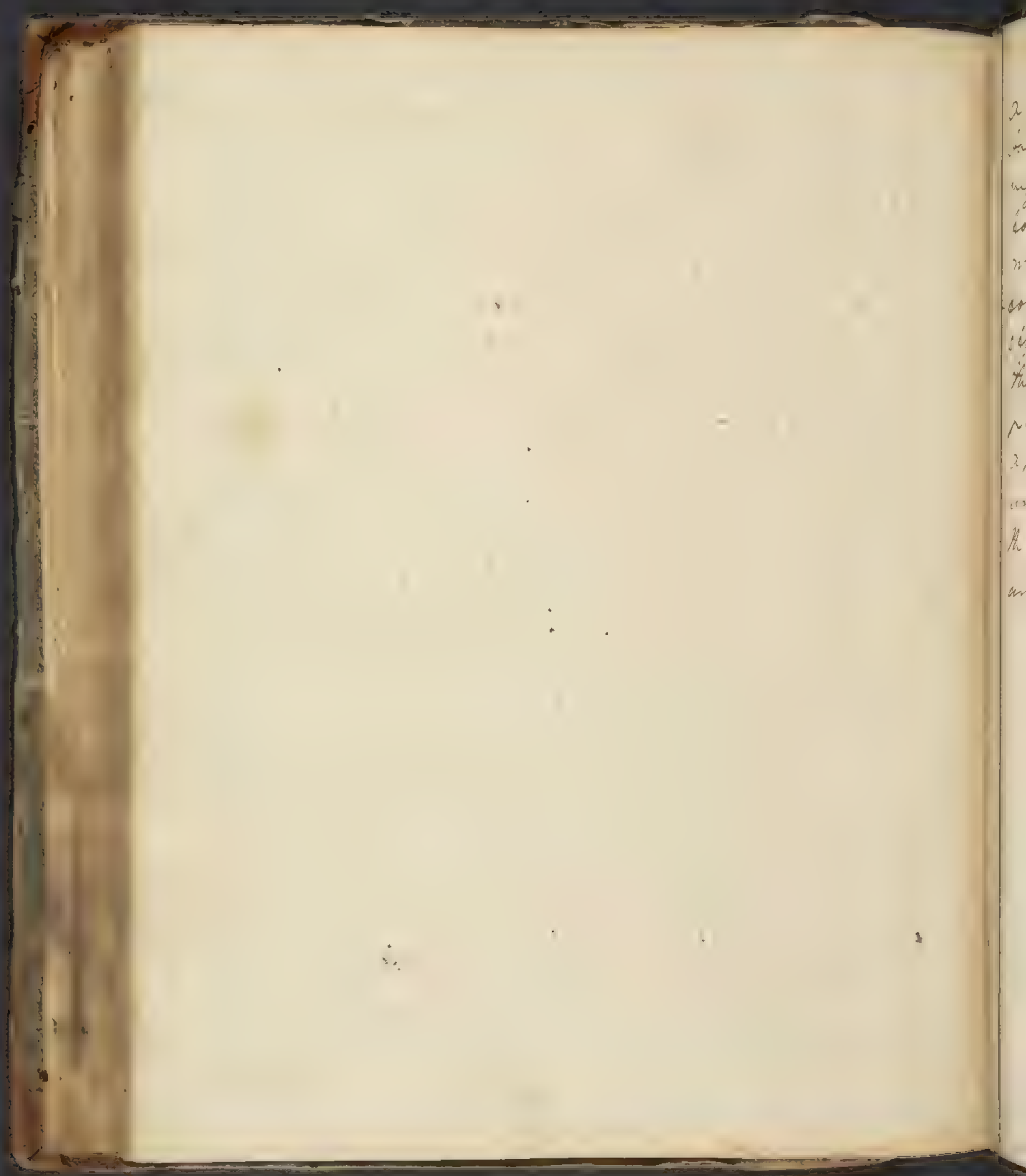
The Talus bone in the generally in
flexion in the extension, is not that
originally proposed by Dr. Baunter, but
is considerably altered in its form. The
one originally invented by him come only
to the upper part of the bone or the illo-
-um and extends a small way below
the foot. The fault of this apparatus is that
the Slip for the Baunter extension is too trans-
verse with respect to the direct position of the
leg, tending therefore to draw the Superior
fragment of the bone upwards, from its
apposition with the other. To remedy this
I therefore strengthen the point so as to reach
up to



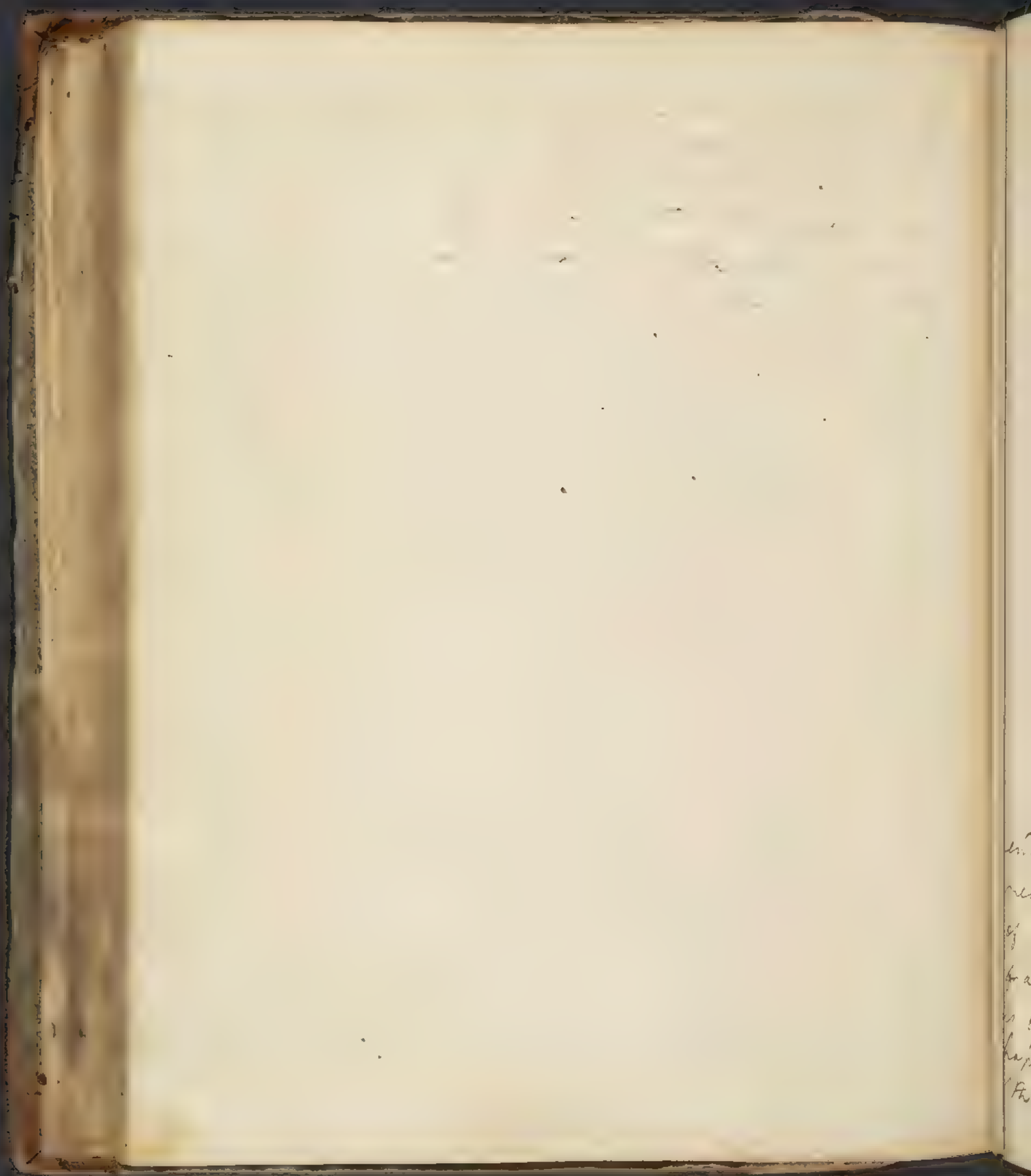
at the axilla: by this means the place
for securing the counter extending force,
could be brought to a straight line with
the limb, and by placing a bar to the
post in contact with axilla, a portion
of the counter extending force might be
supported under the axilla, and thus be pre-
vented the excoriation of the skin. This
is particularly useful in women whose
limb is very apt to get under the dressing
and excoriate the parts. Then excoriation
on tails where they may be created with
a little brandy; this I have found an
excellent remedy. To prevent excoriation
it is a good plan to remove the bandages
& wash the parts with brandy -

Another defect in DePaul's method
of dressing was, that it drew the whole up
a foot too much outwards. To remedy this
Dr. Harrison proposed having a hook
fixed at the lower end of the Splints, so that the
bandage around the foot might pass over
it, and extend in a more direct line with
the limb.

a caution

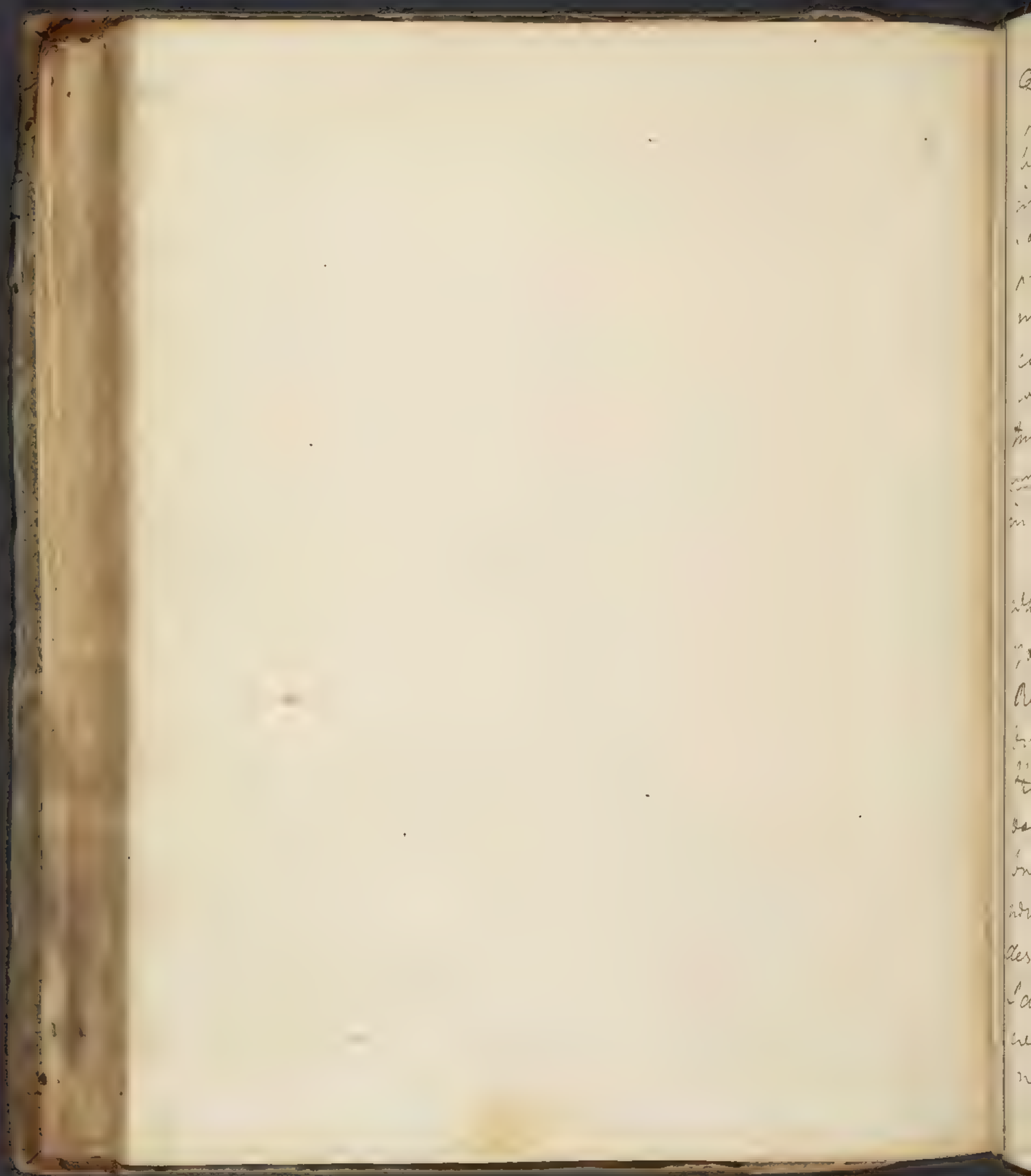


a Canton with regard to the extension of
the leg, as before mentioned might be observed
viz that in making the extension by degrees,
for soon after the fracture the muscles are
more rigid, than after a day or two, there-
fore the same force which would not at first
effect the extension, may be sufficient, and
the great force at first might excoriate the
parts. In the whole this is all the
rational necessity in an oblique fract-
ure of the Femur. If it be transverse
the parts some times remain in apposition,
and need nothing but simple dressings.
an aim must be.



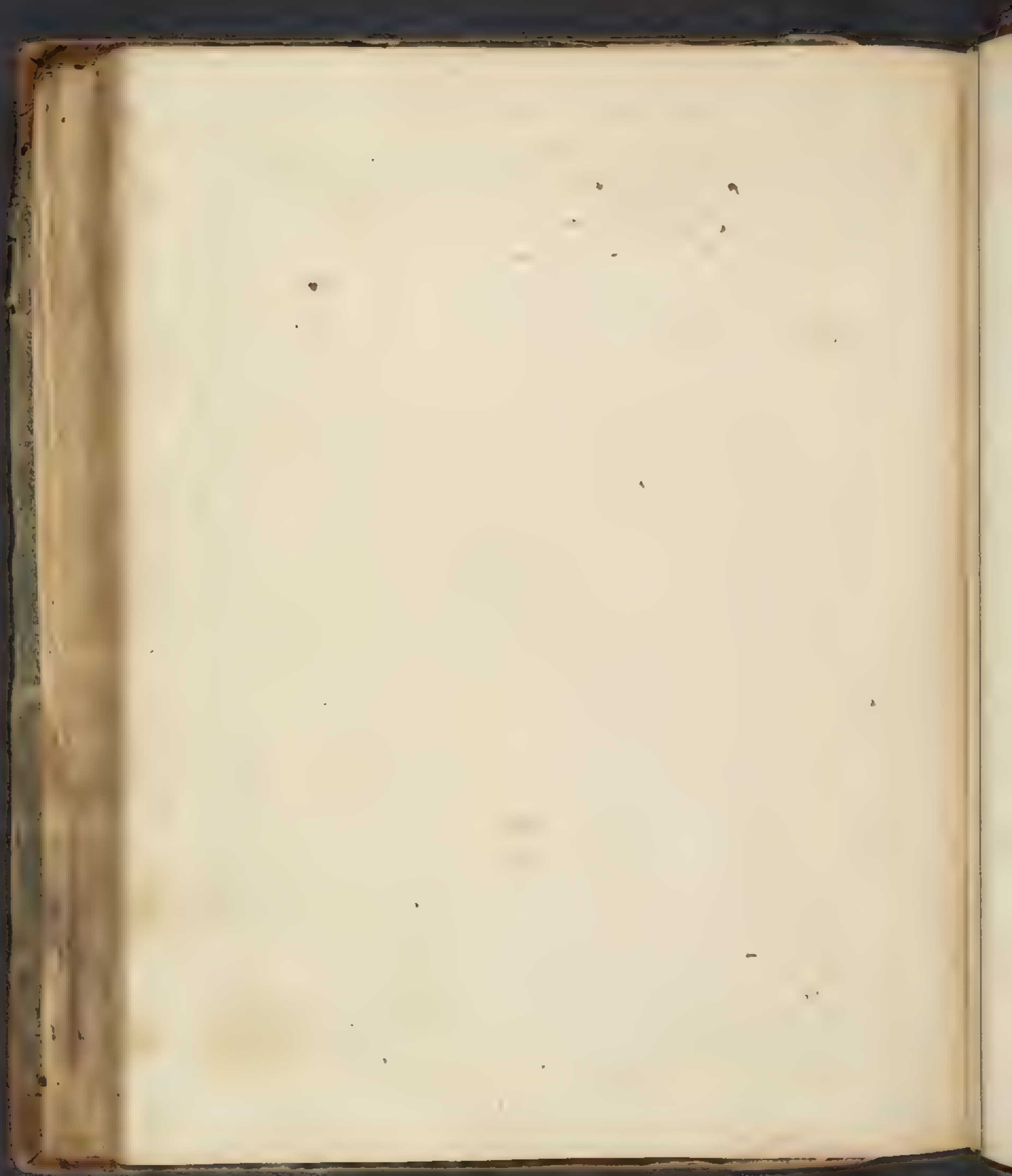
the
res
of
to a
as a
hap
the

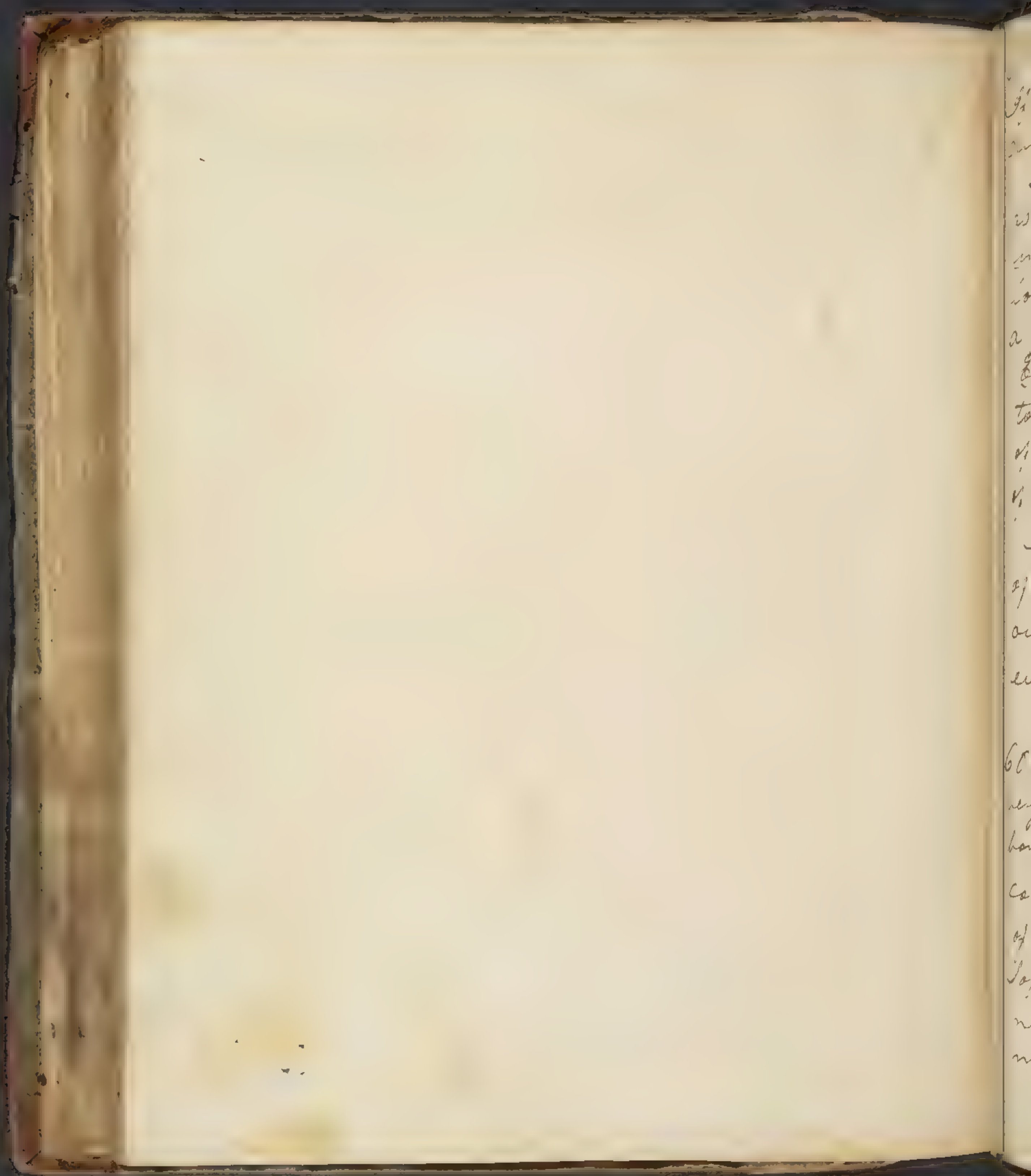
Some times fractures happen at the
end of the femur, this may be the result
near the trochanter or near the round head
of the bone, or the head itself may be
fractured within the ligament. The patient
is often sensible of the crack at the instant it
happens and cannot raise himself from
the ground, walk, or stand. No. 12. Default



Quiault mentions two cases where the
nature of the wound the fragments do not
become so interlocked. The first turns
inward & seldom or ever antiseptic the 2nd
is said some times to do so. The surgeon can
usually readily enter the limb, if he is called
in soon after the accident, but if a
considerable time has elapsed more care
will be necessary, and some times
has been obliged to bleed at Quiault's
arm. The extremities being brought
into contact the Gracilis may be received

There is another circumstance by
wh the extremities ^{the fracture} may be bound. Place
your fingers on the great trochanter & then
rotate the limb, if the Neck of the bone is
broken the rotation will appear to be on
the axis of the thigh bone or as if the
bone revolved on a pivot, but if it is
broken lower down, the axis will be pro-
= vided further off and the trochanter will
describe a much larger circle. The
Spiral of the thigh bone revolving on a pivot
will be straight when the Neck is fractured
nearest the trochanter. If the Limb
is



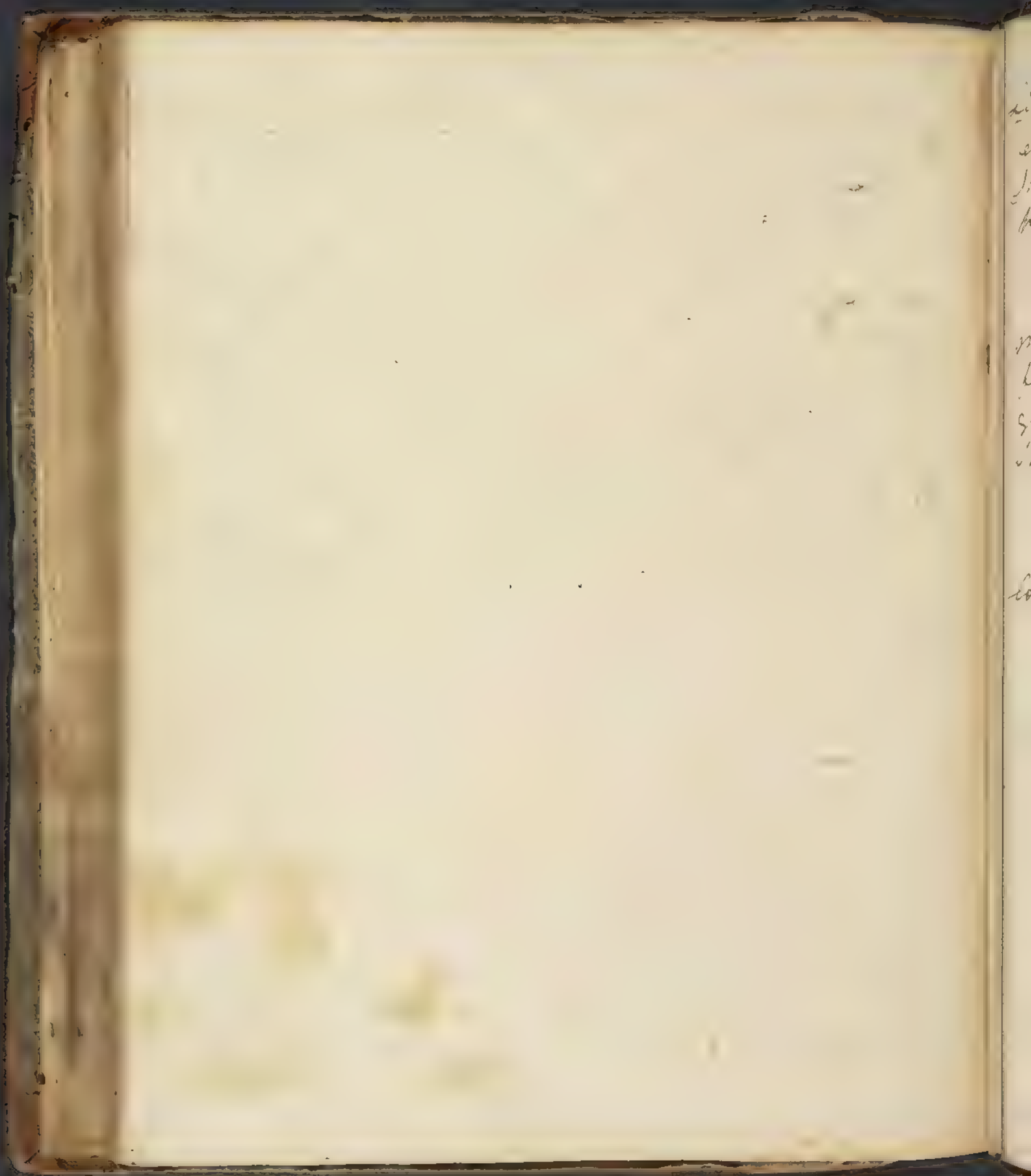


If the limb be much inflamed we must
continue sitting & till the inflor is abated.

The fractures of the Neck I believe heal
as soon as any other part of the bone
unles when they occur within the Scir-
lar ligament; & I have seen a case where
a fracture of this kind did not unite in
Eight weeks, as we can not always ascer-
tain exactly fractures of the upper part
of the thigh it is right in all sections
is this kind to apply Depault's apparatus

It seems to be right to improve the position
of the extremity at union when fractures
occur within the Scirular ligament or
even in any part of the Neck of the bone

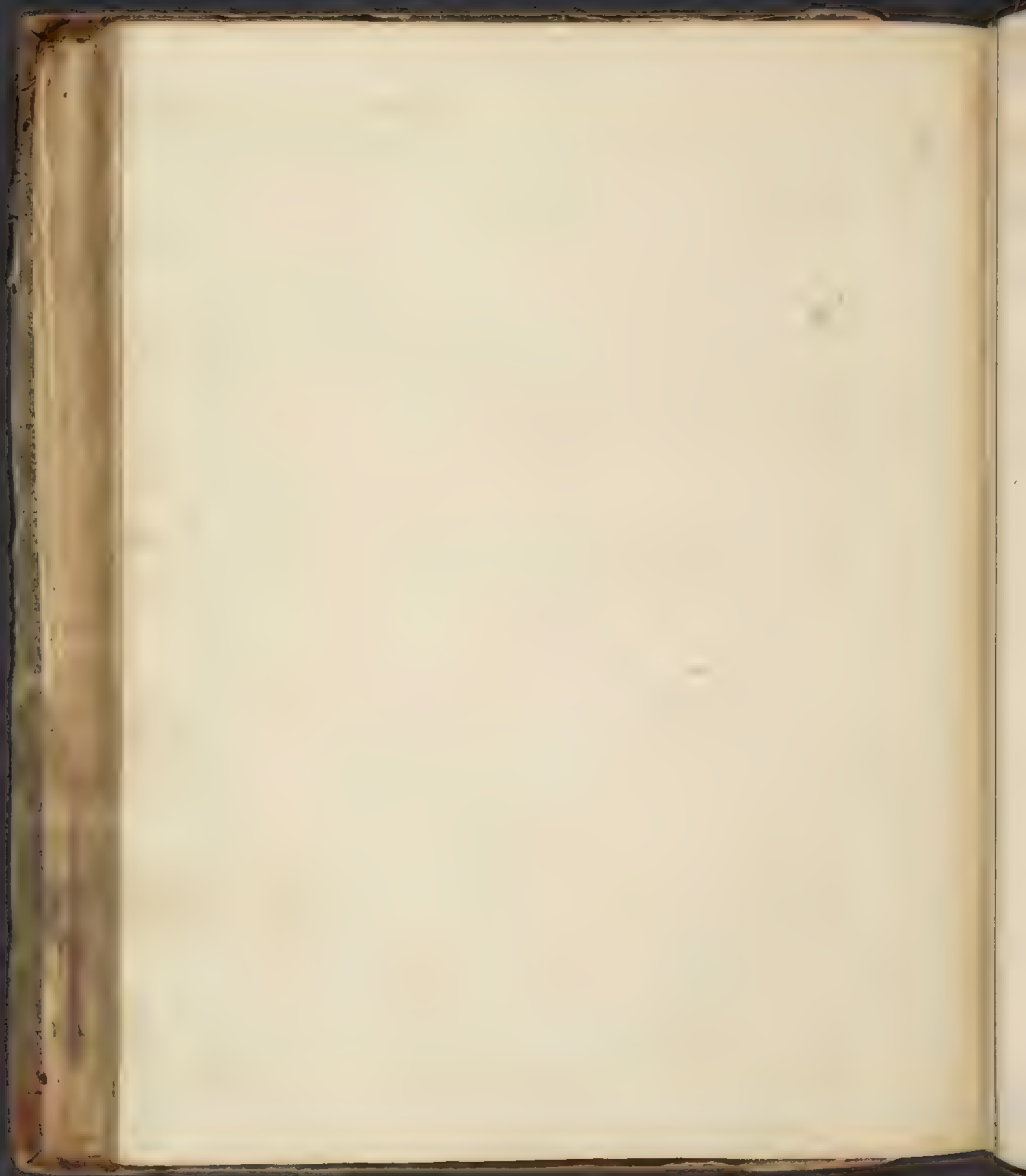
The Dressing could be continued 55 or
60 days Depault says. I have seen but
very few fractures of the Neck of the thigh
bone, indeed I may say but one, in this
case the apparatus was taken off at the end
of 6 weeks and the union was yet very
loose. The patient could not walk for
near a year, and till limbs, yet he was
not able. I think that only a sort of
ligament



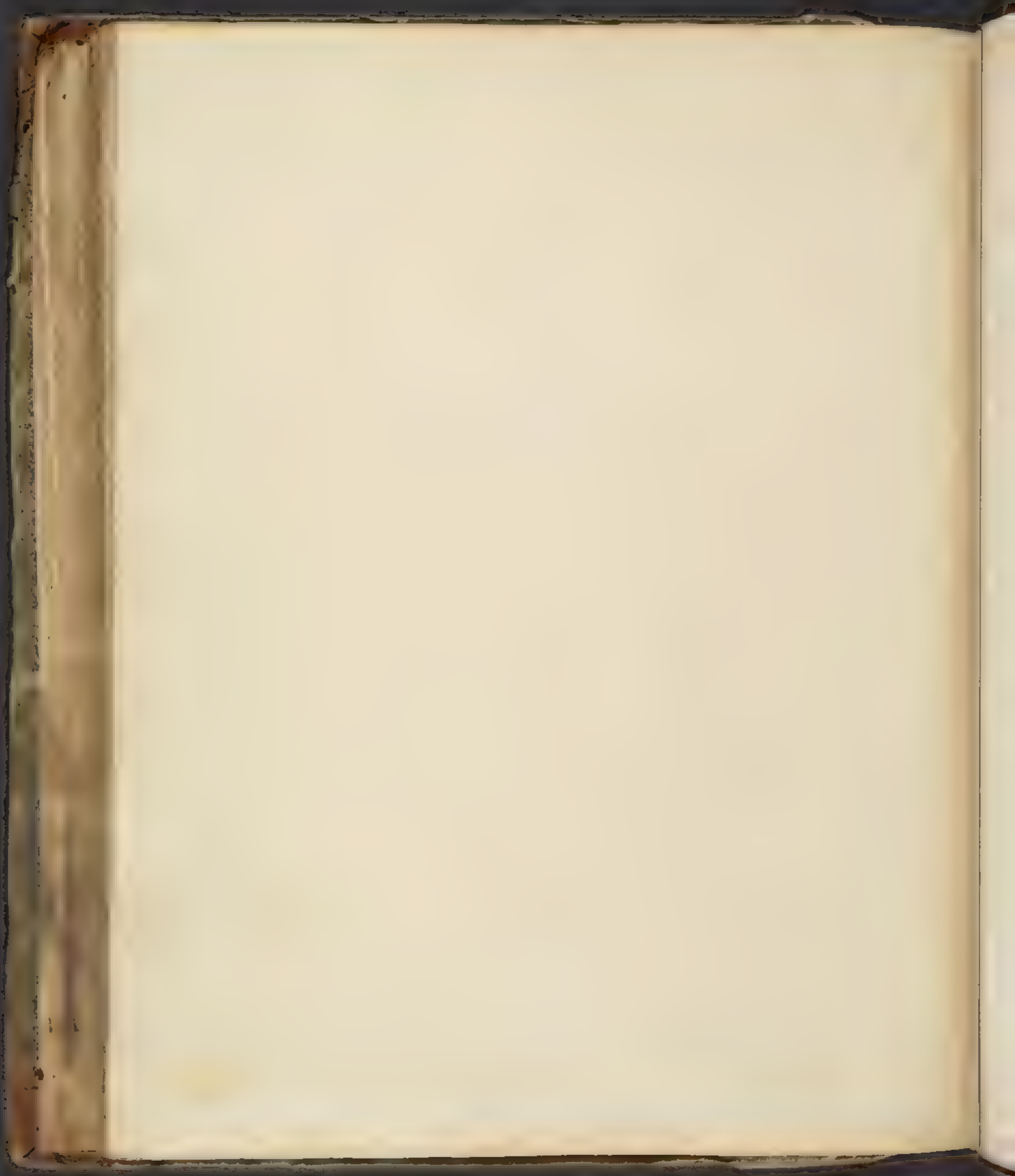
ligament ^{is} ~~is~~ ^{is} between the divided
extremities. In every case therefore we
should examine the ligament according
to Dehaut

Canturion on the humeri are sometimes
mistaken for fractures of the neck of the
humerus, they may commonly be distin-
guished by the length of the humerus being the
same as the sound one -

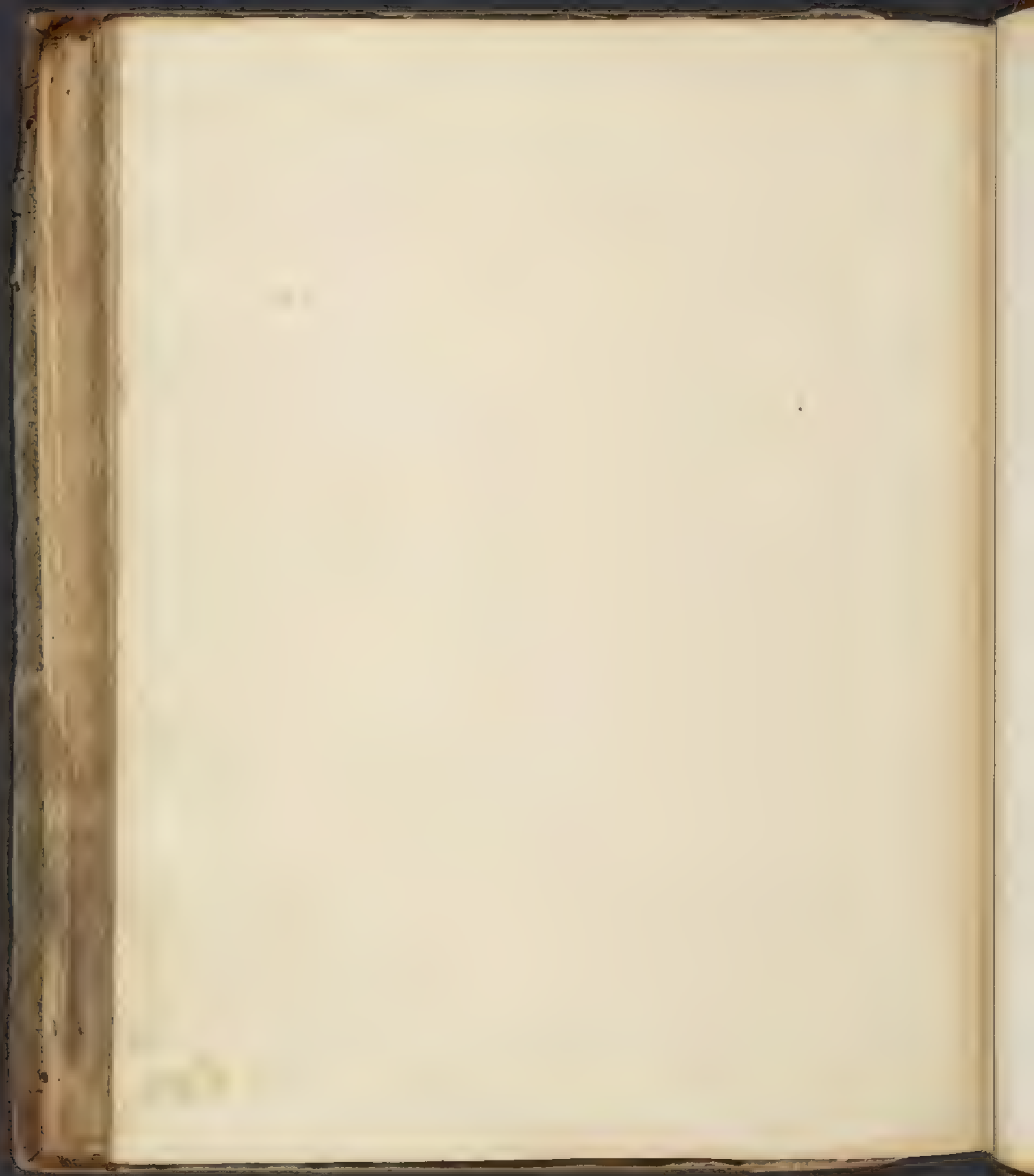
Sometimes the humerus is fractured
lower down than the

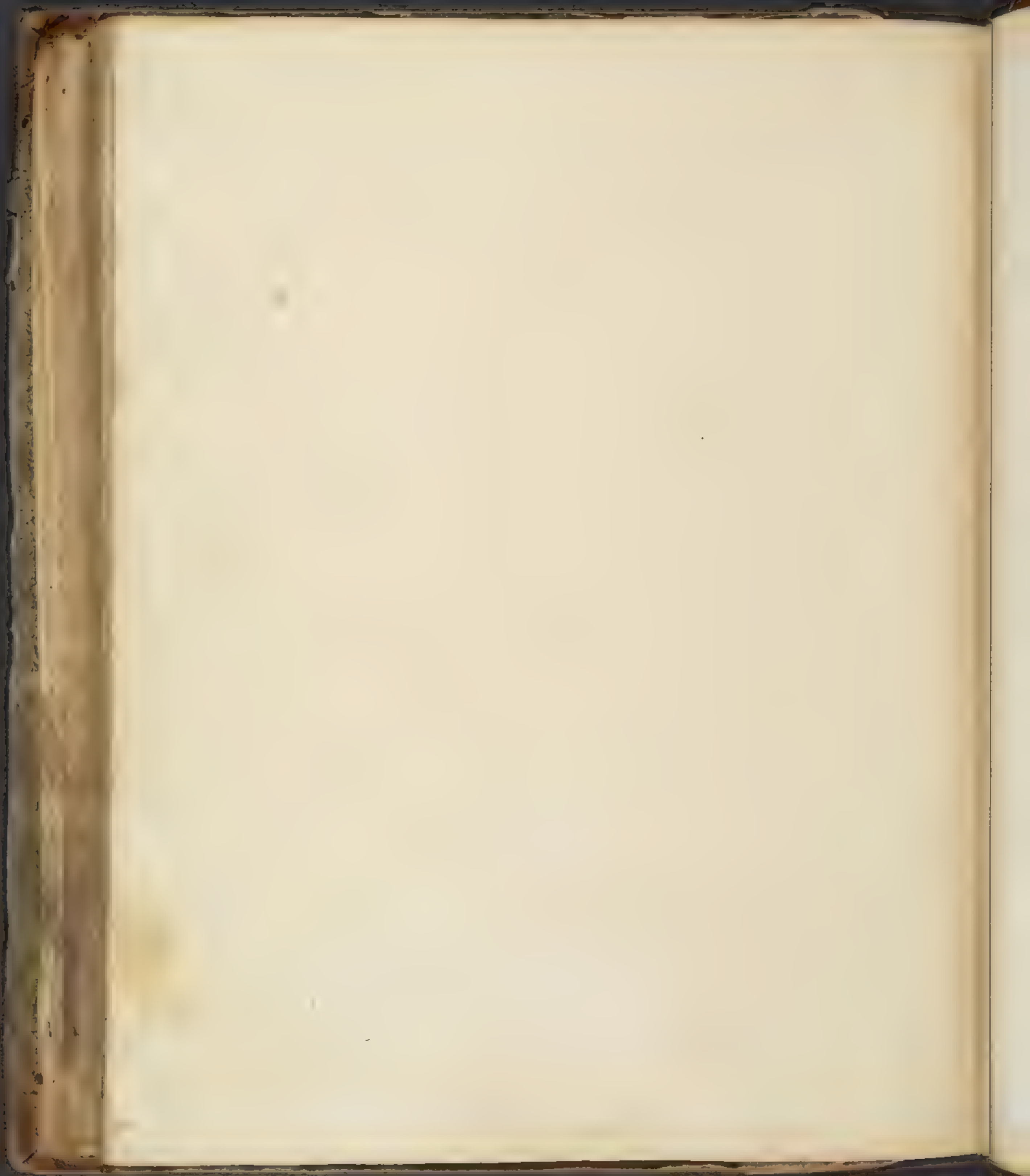


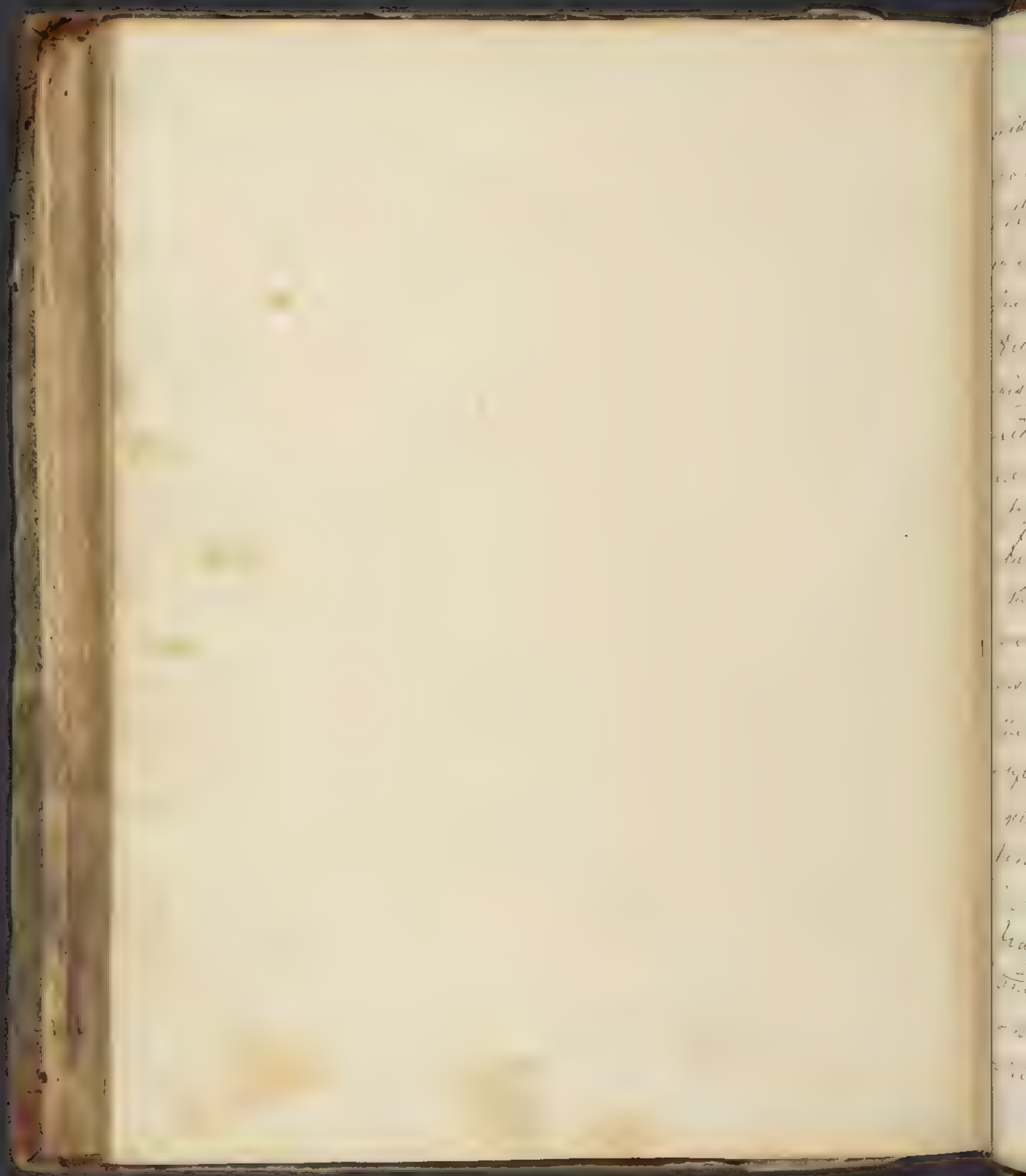






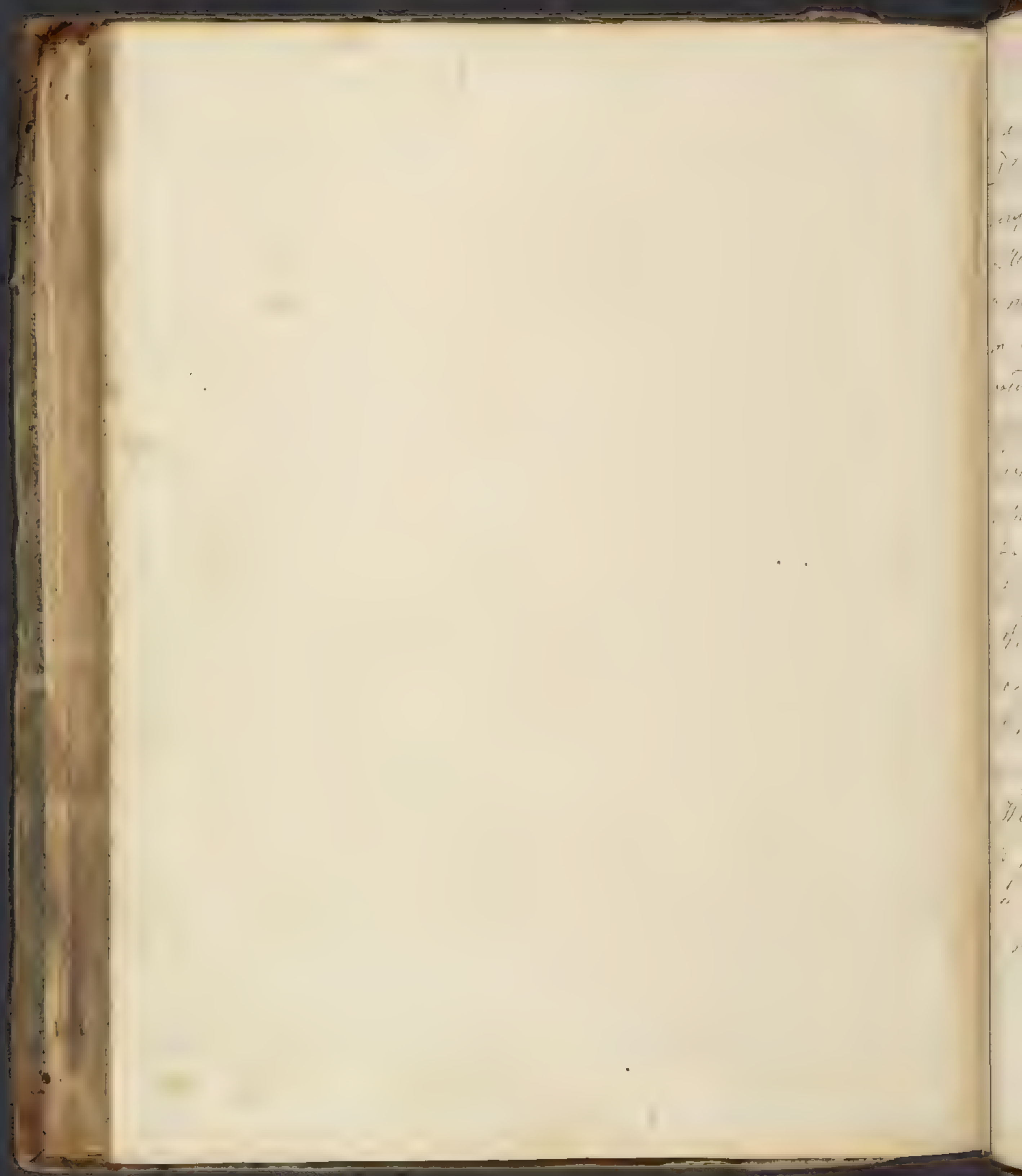




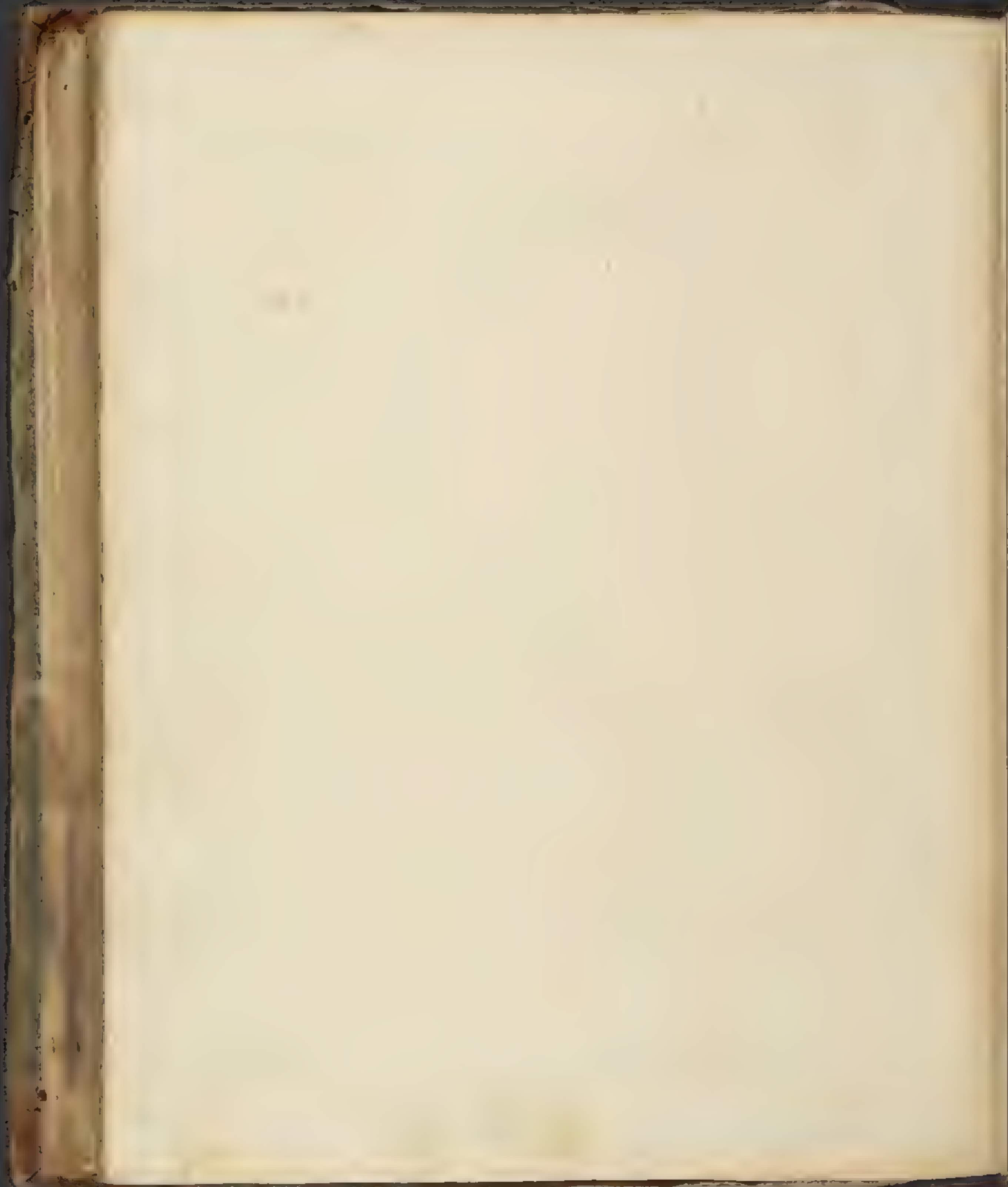


middle, securing the bone the condyles, the
upper fragment, at first upwards and backwards.
Then it is broken this manner, & points inserted
on each side are sufficient. (Figure 1st, 2d, 3d) and
thus answers this purpose very completely. A
quick compound fracture is not under the ligament
above the lower fragment. Sometimes the
vices being in contact above, the bones
are otherwise separated. At times if the
high bone at this place, are easily worn
down, &c.

The high bones at the place where they
are easily broken, the patient cannot move
his leg, & when the condyles are separated,
the condyles may be put in position the con-
dyles with each bone, as holding them to-
gether. I never but once saw a case of this
kind, and this was at the Hospital but
in this case, the extremities of the upper
fragment pierced thro' the incision, and
made a compound fracture, commu-
nicating with the lower joint, in the
last shortly died. Points on each side are



[illegible]

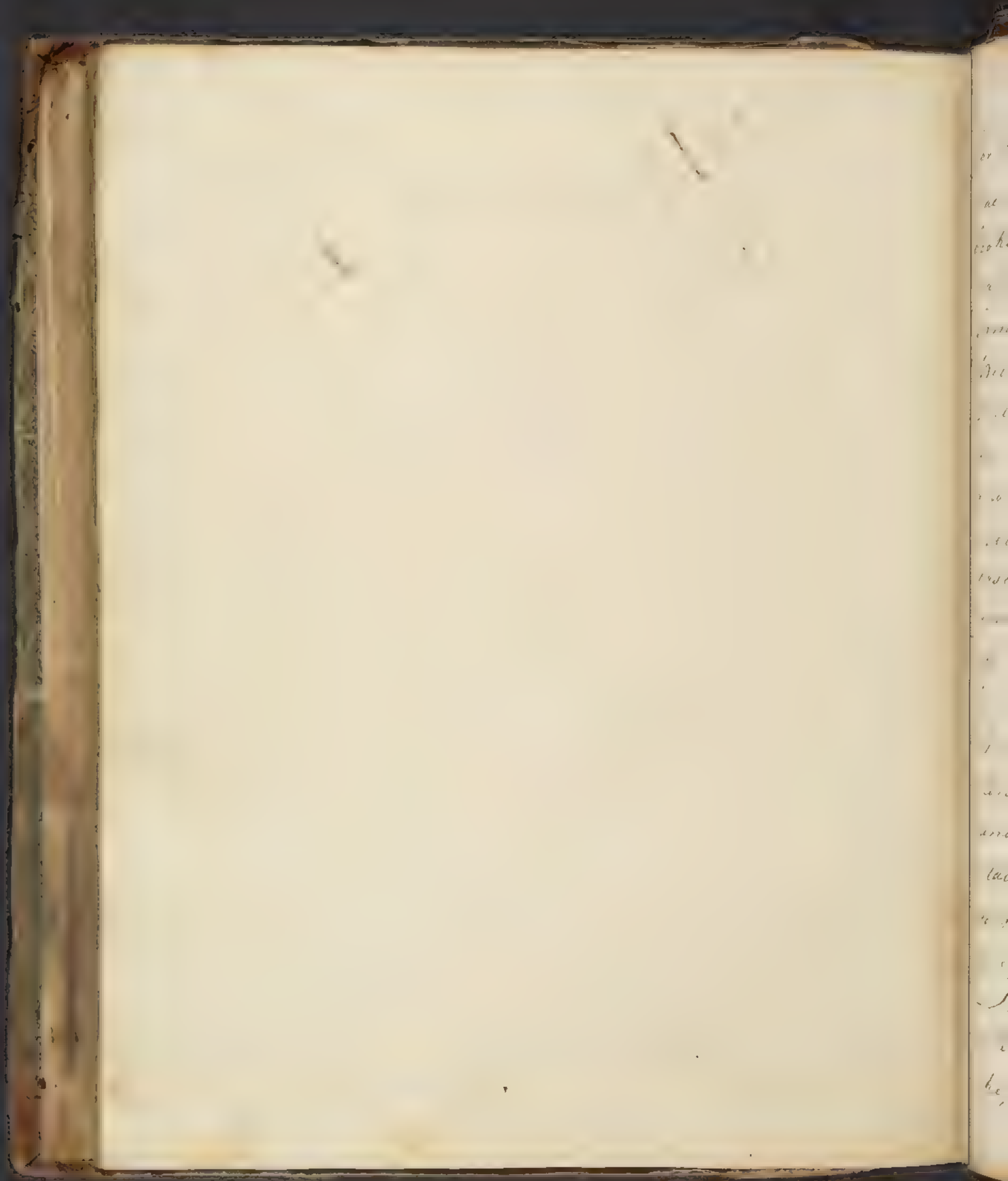


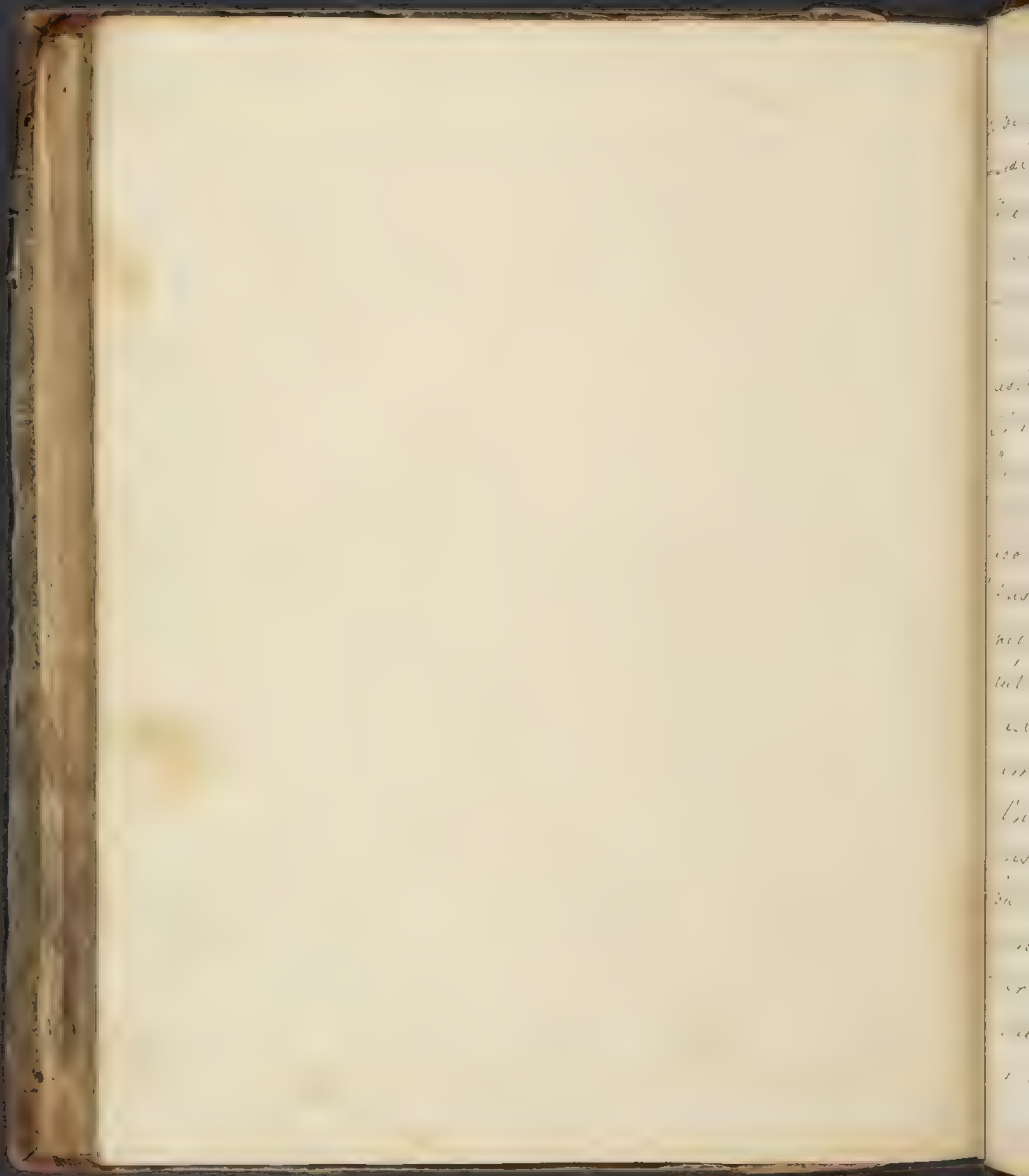
Lecture 14th

Fractures of the Leg.

There occurs most frequently about the middle, and when transverse, accompanied with little or no displacement of the fragments out of the bones are broken obliquely, the lower fragment passes beneath the upper, forming an angle anteriorly; the upper and lower fragments being drawn back by the contraction of the muscles. The tibia is more commonly fractured, than the fibula. There occur sometimes at the upper end near the knee joint, and at the middle and sometimes just above the ankle. If one bone only is broken, the other keeps it in its proper situation. It is to be the tibia by grasping the limb above and below, and trying to move the leg, the fracture may be ascertained. If it be transverse, no displacement will take place.

I once had a case of this kind, when the patient, in moving his limb, was unable to remain in the





[illegible]

1. 1. 1. 1.

1

474

172

il.

6 4

17

4.

1
12

1

11

1



622

10

...

200

120

72

127

2

...

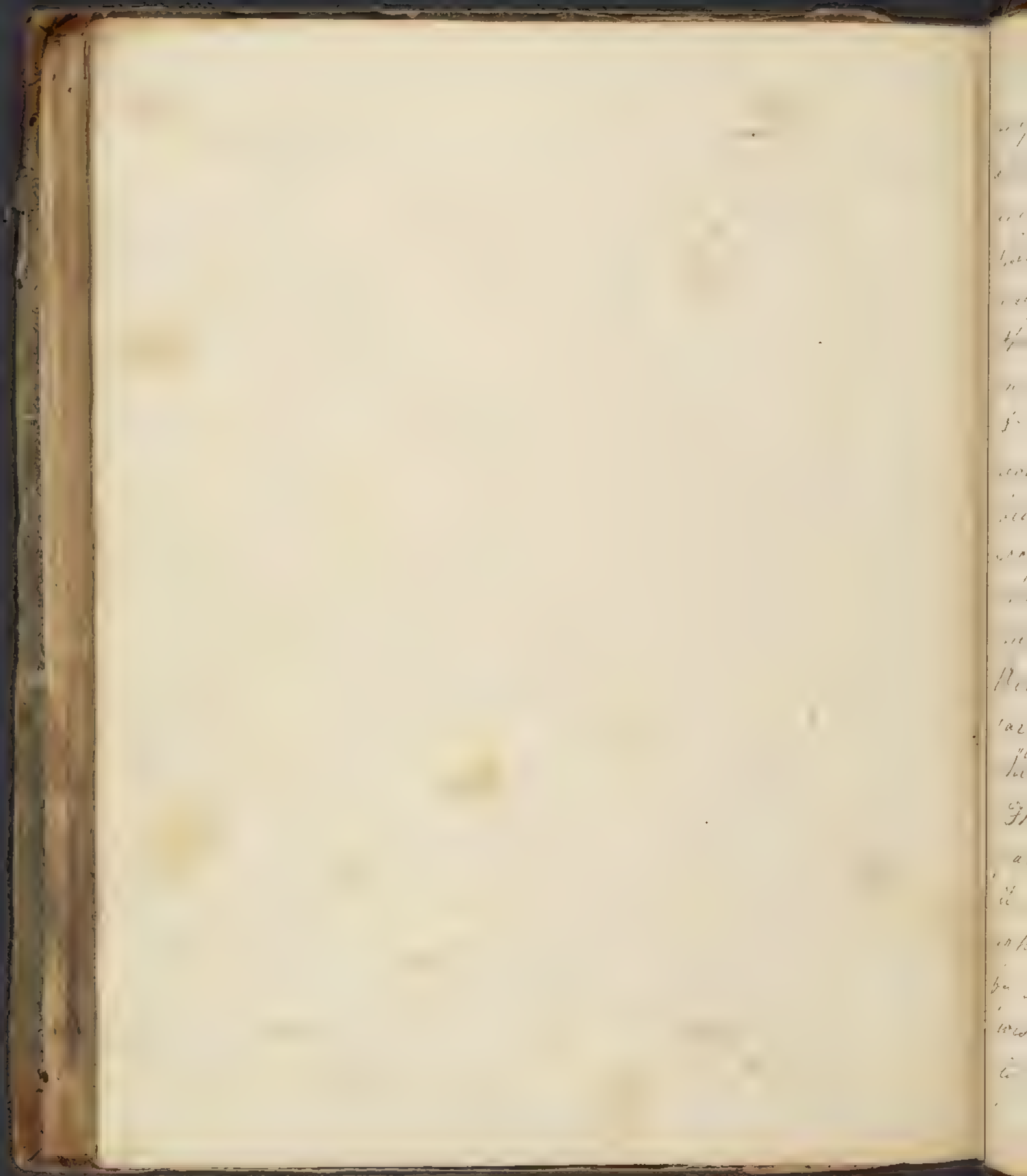
2

24

[illegible]

Two, third, with fourages, are in this manner, fig are next to be placed one at each side of fig is to be placed also the two mainmores at the upper end of the fig. and ties which a bar is placed over a line one underneath each and a line with





any displacement occurs but the joint is soon
set to work, and becomes very much enlarged,
and is often the cause of cancer. I have seen a case of
this kind where the malignant remedies
had been tried as bleeding, cupping,
the application of caustic &c but with no re-
sult, which in the case of cancer the extension
of cancer extension, and the ankylosing
movement. The patient should be kept in
bed a long time, as union does not take place
soon, and the patient must be treated with
care, not be moved for 4 weeks, and the
movings should be continued for six
weeks, and then move, but little, and very
carefully, when it is practicable to move
the same movement is necessary.

The disease is mostly found at the lower
extremity, near the ankle, and it is broken by a blow,
it may be fractured. The fracture is
obvious, but the bone is sometimes broken
by an obduction of the foot and the foot is
wise treated. The reduction of it may be easily
accomplished by grasping the foot and

1,221

124 11

163 7

11

2 4 4 1

Alto

1

...

7

242

١٢٢

2. 11

2167

28

12

227

12

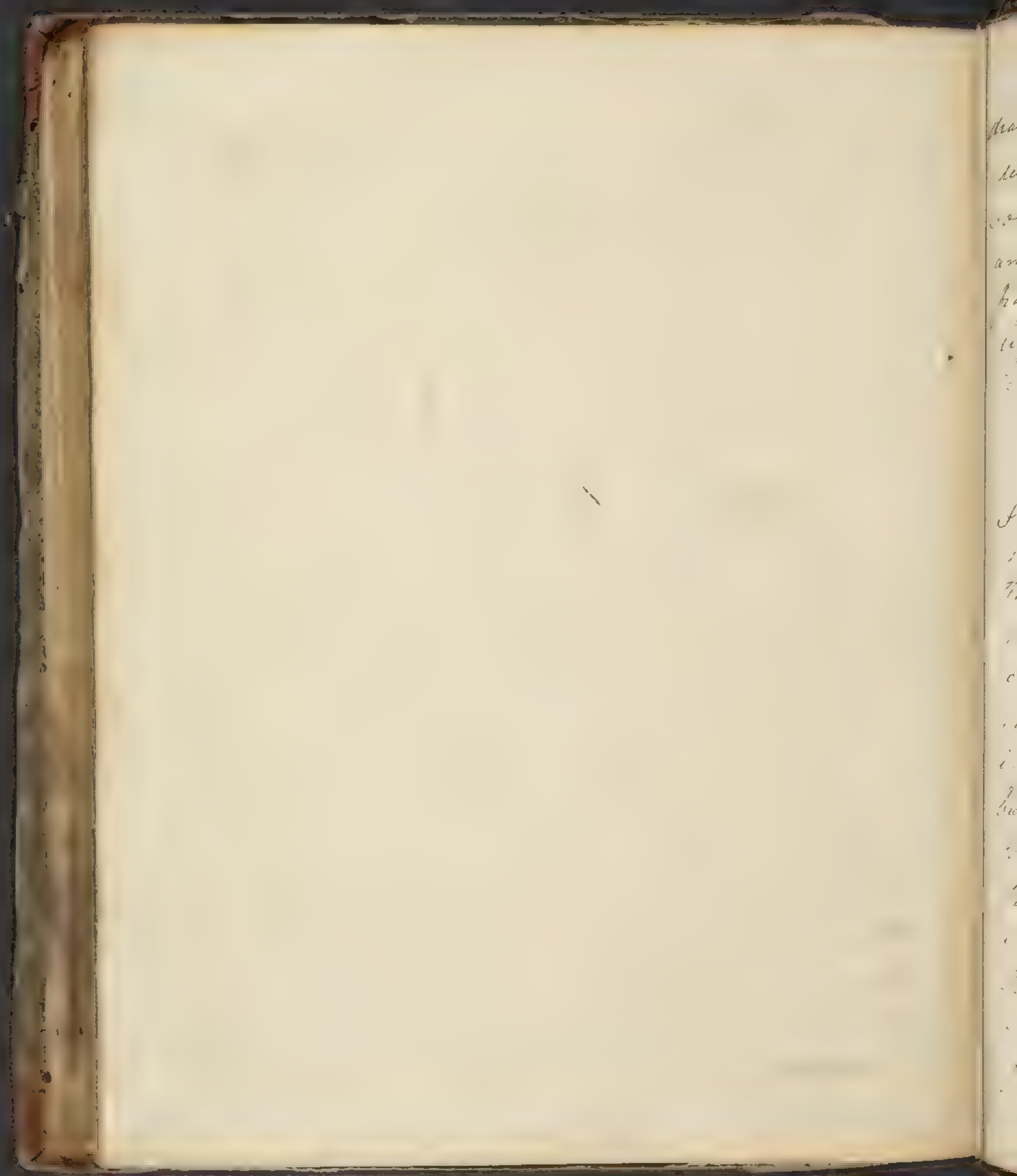
4

...

making extension. The fractures of the fibula
bandages should not be tight for the same reason
as in the fore arm. Two splints are to be applied
at the sides of the leg to steady the foot as the
one cannot be accomplished if the foot be
allowed to move, because the lower fragment
will follow the motion of the foot.
In about 23 days union will be perfect. --

Of the Patella.

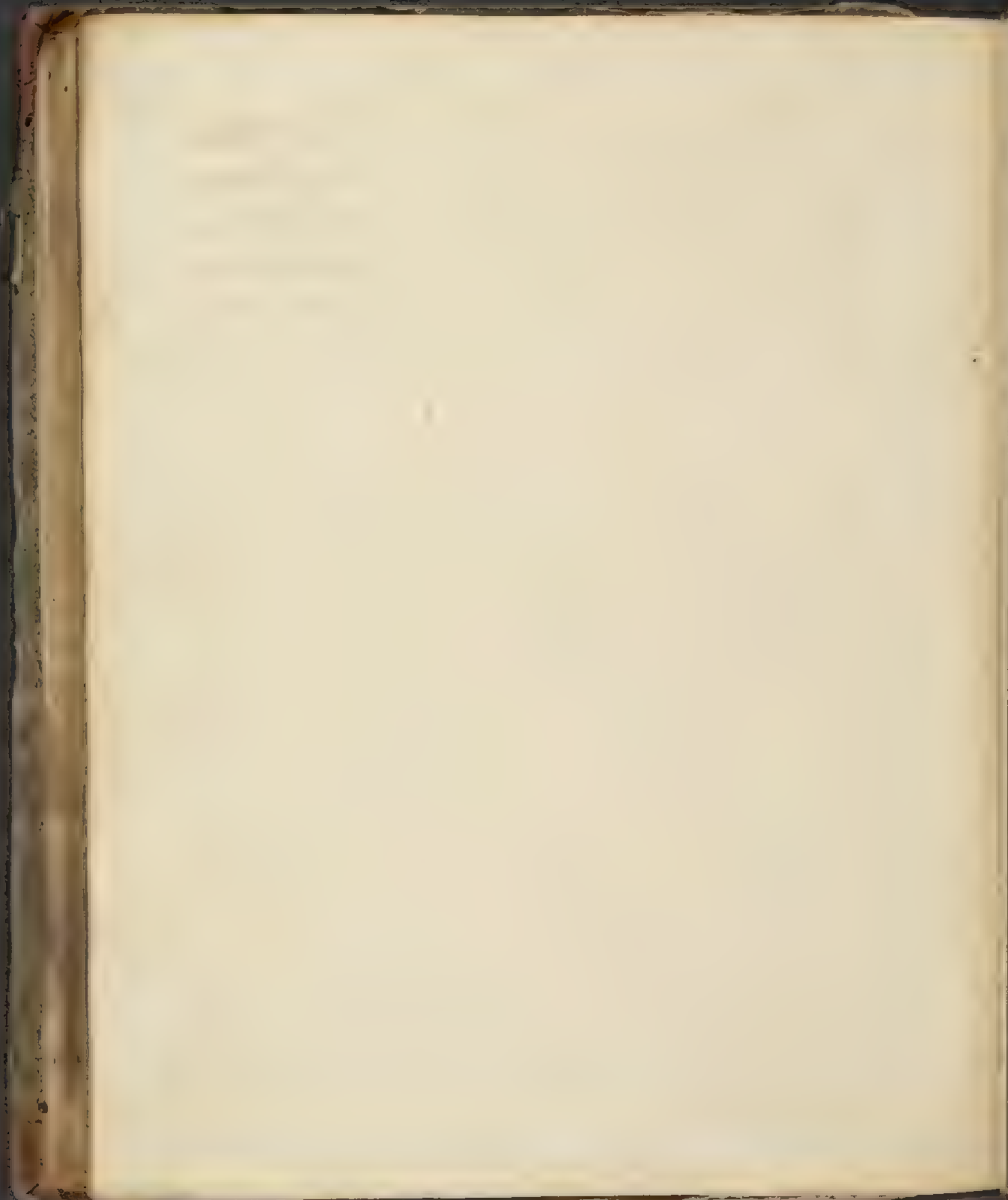
Fractures of the patella are commonly trans-
verse, sometimes they are oblique and once
are even comminuted. The transverse are ge-
nerally occasioned by a violent extension of the
leg, and the oblique by violent external force,
as falling on the knee &c. When a fracture of the
patella takes place the knee becomes stiff
and the upper fragment is drawn upwards by
the contraction of the muscles, the lower
fragment being fixed cannot move.
The patient cannot walk forwards, because
he cannot extend his leg; but can go backwards



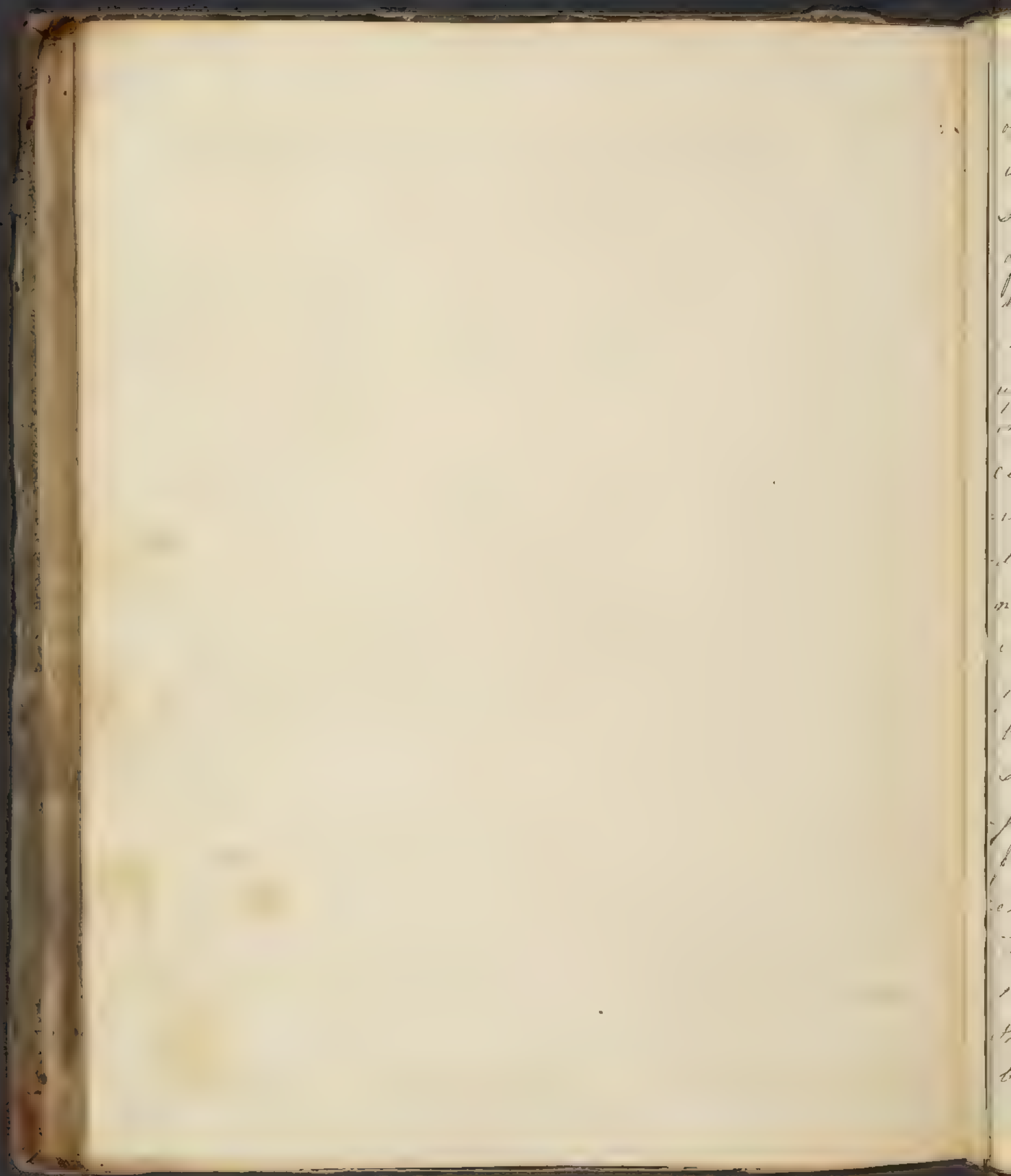
drawing his leg after him. When the leg is extended on the thigh, the upper fragment will come in contact with the lower one, and the union may be effected. In longitudinal fractures the vacuum can easily be felt, the fragments are in line, and the leg is in a position of extension, the foot being in a position of extension.

Settlement.

In transverse fractures, bring the upper fragment down as near as you can to the lower one. The patient is to be laid on his back, and the limb is to be secured by means of a splint, so as to relax the extensor muscles of the leg. The leg is to be held in one plane, and the patient is to be placed in a position of extension. The fragments are to be secured by a bandage from the knee to the ankle. The upper fragment is to be secured by a bandage from the knee to the ankle, and the lower fragment is to be secured by a bandage from the ankle to the foot. The fragments being thus held together, a splint is to be applied above the fragments, and a splint is to be applied below the fragments.



[illegible]



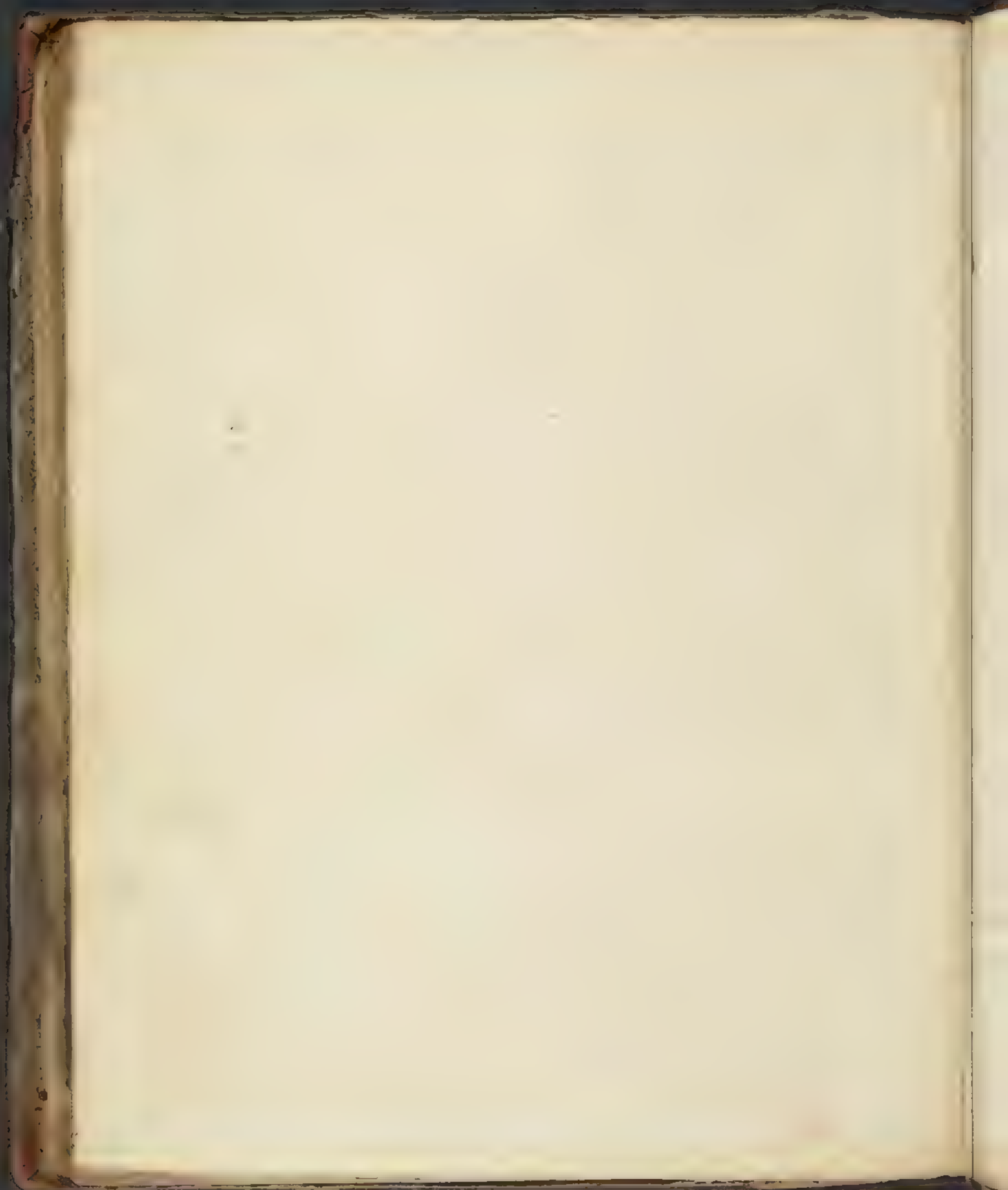
on the heel may cause ulceration. The leg
is to be kept loose some time. Sometimes
surgeons have been afraid to move, & keep
of the tibia in contact, fearing the bony
matter would be effused into the cavity of the joint.
Occasion anchylosis. If the bandages on the
upper fragment be too tight, anchylosis will
sometimes actually take place. Triforce
causes an absorption of the cartilages, induc-
ing the same place between the bones, ren-
dering the joint stiff. The bandage should
never be tightened tight if much inflammation
exists. Motion will be a good while taking
place, & about 8 weeks, when the swelling
becomes large. There are to be renewed by the
surgeon. In longitudinal fractures, a com-
press is to be applied at each side, and the
flexion removed. Sometimes the winter harm-
ent, when no attention is paid, is broken up
three or four inches, and a ligament is dis-
solved. During the cure of the wound & assist
the motion of the leg is such we can seldom cover
bring the fractures ends of the bone so close

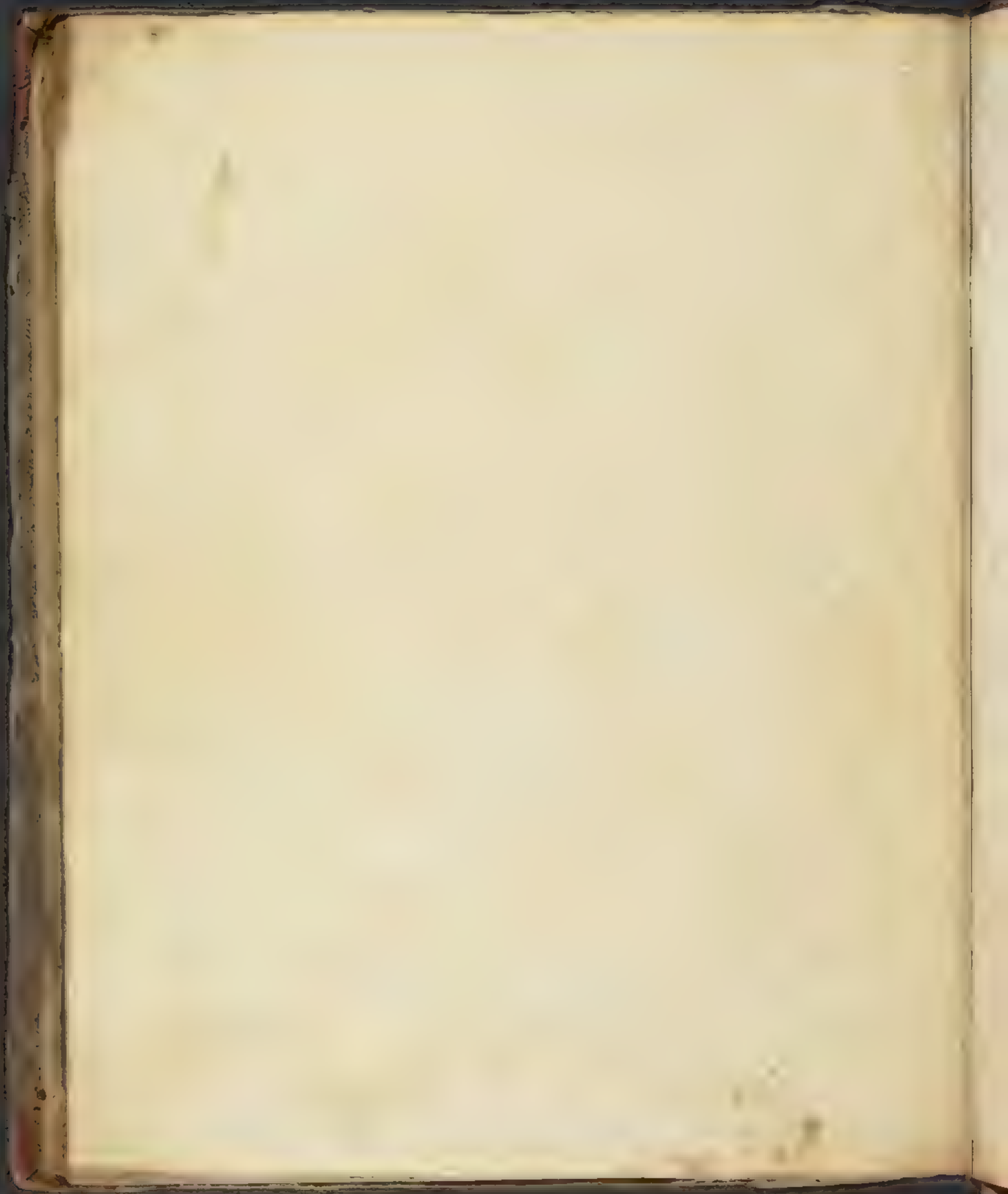


1.4
7
/p
co
fo
/p
co
p
co
/

together as to form a bony union.

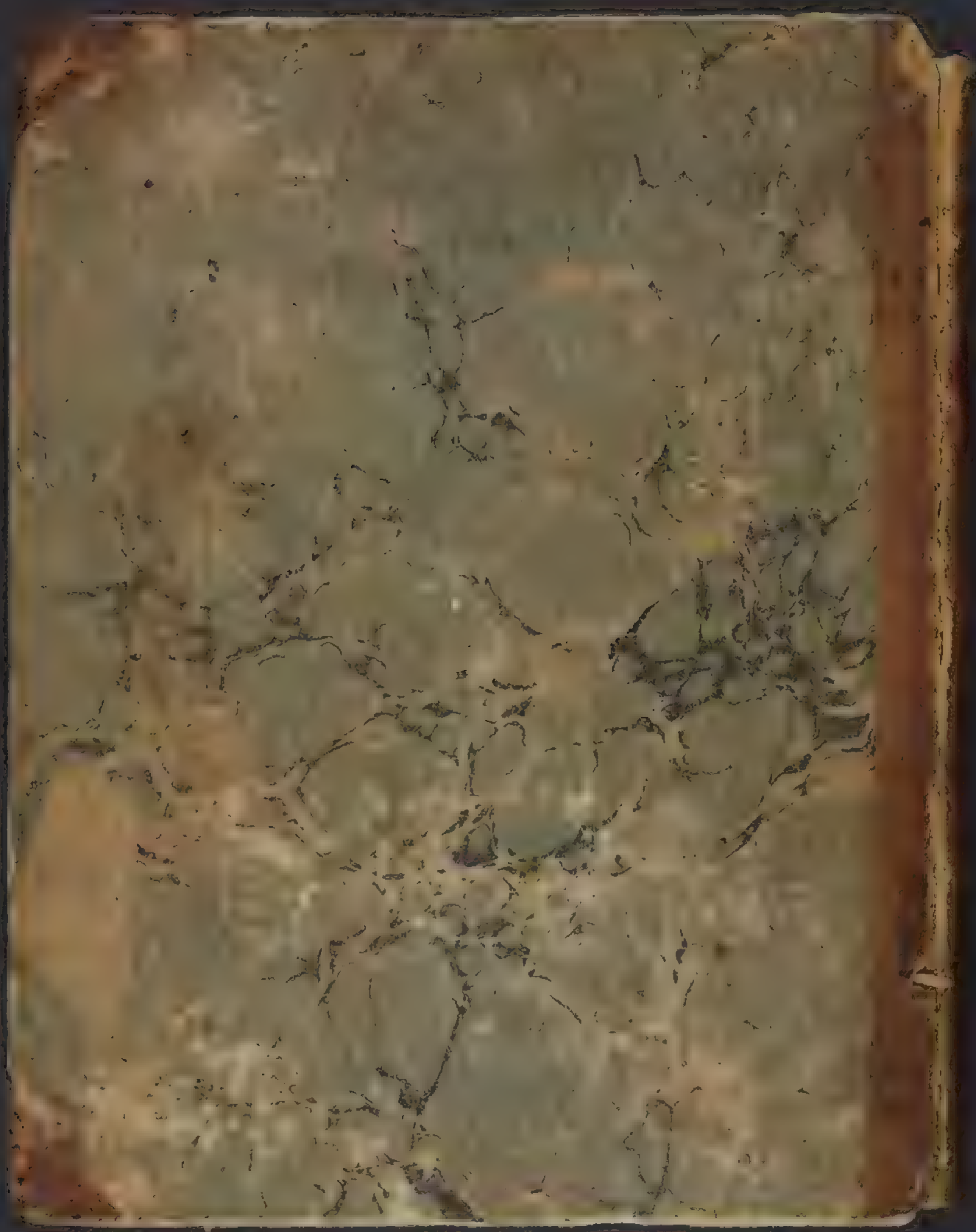
This ligamentous union, altho' it has been supposed an imperfection in the animal economy, is a surprising proof of the perfection thereof, for a bony matter had been thrown out and completely ossified, the knee would have been entirely stiff, whereas, by this ligament being formed, the patient may come to have the perfect use of his limb, by gently exercising it daily. The patient should sit on a table and swing his leg as much as possible. altho' he will acquire strength but slowly, yet by perseverance the muscles will accommodate themselves to the extra length of the tendon, and the patient will be able to walk as well as ever.





The above has been found useful in horses
in the condition of straggled ribs —
Hutchinson Dispensary, box 891

Emp. in 2/3
Chronic (with exudate) 2/3
Shipping 2/3
Chronic (with exudate) 2/3
White Lac. 2/3



PHYSICKS
LECTURES



